

1918

Old School Catalog 1918-19, Annual Catalog

Valparaiso University

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Valparaiso

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FORTY-FIFTH
ANNUAL CATALOG
1918--1919

VALPARAISO, INDIANA

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INSTITUTION OF LEARNING IN THE LAND

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VALPARAISO UNIVERSITY

The Forty-fifth Annual Catalog

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Valparaiso University

VALPARAISO, INDIANA

FOR THE YEAR

1918-1919

One of the Largest Institutions of Learning
in the United States

Published by the University

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1918

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28
27	28	29	30	31	24	25	26	27	28	29	30	29	30	31
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1919

JANUARY							FEBRUARY							MARCH							APRIL						
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12	13	14	15	16	17	18	9	10	11	12	13	14	15	9	10	11	12	13	14	15	13	14	15	16	17	18	19
19	20	21	22	23	24	25	16	17	18	19	20	21	22	16	17	18	19	20	21	22	20	21	22	23	24	25	26
26	27	28	29	30	31	...	23	24	25	26	27	28	...	23	24	25	26	27	28	29	27	28	29	30
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MAY							JUNE							JULY							AUGUST						
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18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23
25	26	27	28	29	30	31	29	30	27	28	29	30	31	24	25	26	27	28	29	30
...	31

CALENDAR FOR THE YEAR 1918-1919

FALL QUARTER

October 1, 1918, to December 12, 1918

October 1. Tuesday. Fall Quarter opens 8:30 a. m.

Organization of classes and assignments made.

November 28. Thursday. Thanksgiving Holiday.

December 10. Tuesday. Quarterly examinations begin.

December 12. Thursday. Fall Quarter closes.

WINTER QUARTER

December 17, 1918, to March 6, 1919

December 17. Tuesday. Winter Quarter opens 8:30 a. m.

Organization of classes and assignments made.

December 25. Wednesday. Christmas Holiday.

March 4. Tuesday. Quarterly examinations begin.

March 6. Thursday. Winter Quarter closes.

SPRING QUARTER

March 11, 1919, to May 29, 1919

March 11. Tuesday. Spring Quarter opens 8:30 a. m.

Organization of classes and assignments made.

May 27. Tuesday. Quarterly examinations begin.

May 29. Thursday. Forty-sixth Annual Commencement, 10:30 a. m. Spring Quarter closes.

SUMMER QUARTER

June 3, 1919, to August 14, 1919

June 3. Tuesday. Summer Quarter opens 8.30 a. m.

Organization of classes and assignments made.

August 12. Tuesday. Quarterly examinations begin.

August 14. Thursday. Summer Quarter closes.

On alternate Saturdays of the Fall and Summer Quarters the University will be in session. This is necessary in order that twelve weeks of work may be given during these quarters.

TRUSTEES OF THE UNIVERSITY

OLIVER P. KINSEY.....	Valparaiso
HENRY O. SHUEY.....	Seattle, Washington
THOMAS W. PHILLIPS, Jr.....	Butler, Pennsylvania
WILLIAM E. PINNEY.....	Valparaiso
CHARLES C. CHAPMAN.....	Fullerton, California
JUDGE ED. JACKSON.....	Newcastle
JOHN M. STINSON.....	Hammond
HENRY KINSEY BROWN.....	Valparaiso
EDGAR M. BARBER.....	New York, New York
LEON L. LOEHR.....	Chicago, Illinois
EDGAR D. CRUMPACKER.....	Valparaiso

ADMINISTRATION

OLIVER P. KINSEY, A. M., Acting President of the University.

EDWARD A. ANDERSON, A. M., Registrar of the University.

CATHARINE CORBOY, Secretary of the University.

IDA M. POWELL, Ph. B., Dean of Women.

WILLIAM L. COPELAND, M. D., C. M., M. R. C. S., Secretary
of the School of Dentistry.

CHARLES E. JONES, B. S., D. D. S., Registrar of the School
of Dentistry.

JOSEPHINE GILMORE, Ph. B., Registrar of the Conservatory.

LUELLA F. PORTER, Librarian.

MRS. FRED STONER, Assistant Librarian.

ROBERT B. EWING, B. S., Auditor.

FACULTY

OLIVER P. KINSEY, A. M., Acting President of the University.

PROFESSORS

JOHN E. ROESSLER, A. M., Professor of Mathematics.

KATHERINE E. CARVER, A. M., Professor of Latin.

BENJAMIN F. WILLIAMS, A. M., Professor of English.

MANTIE E. BALDWIN, A. M., Professor of Literature and Rhetoric.

MRS. SARAH P. KINSEY, A. M., Professor of Geography.

GEORGE W. NEET, Pg. D., Dean of the School of Education.
Professor of Psychology and Pedagogy.

JOHN H. CLOUD, A. M., Professor of Physics.

ALPHEUS A. WILLIAMS, A. M., Professor of Mathematics.

MASON L. WEEMS, A. M., Professor of Physiology and Botany.

LEE F. BENNETT, A. M., Professor of Geology and Zoology.

GEORGE D. TIMMONS, B. S., Ph. G., Dean of the School of Pharmacy. Professor of Chemistry.

WILLIAM F. ELLIS, Pg. M., Professor of Pedagogy.

FRANK R. THEROUX, C. E., Dean of the School of Engineering.
Professor of Civil Engineering.

CALVIN S. HOOVER, A. M., Professor of History.

EBER H. WISNER, B. S., Ph. C., Professor of Pharmacy and Materia Medica.

S. E. SHIDELER, A. M., Professor of Experimental Psychology and Education Administration.

W. H. TRAINUM, A. M., D. B., Dean of the School of Bible Study.

HOMER F. BLACK, A. B., Professor of Mathematics.

MILO JESSE BOWMAN, A. M., LL. B., Dean of the School of Law.

JOHN BOMAN, LL. B., Professor of Law.

HON. JOHN H. GILLETT, LL. D., Professor of Law.

- LENN J. OARE, A. B., LL. B., LL. M., Professor of Law.
- WILLIAM DALY, A. B., LL. B., Professor of Common Law Pleading.
- WILLIAM H. DOWDELL, LL. B., Judge of the Moot Court.
- A. H. READING, Lecturer on Questioned Documents.
- CHARLES W. BENTON, A. M., Master of Accounts. Professor of Bookkeeping.
- ELIZABETH Mc ALILLY, B. S., Professor of Algebra and Arithmetic.
- ROLLO A. TALLCOTT, A. B., Dean of the School of Public Speaking. Professor of Dramatic Culture.
- OLIVER E. DAMRON, A. M., Professor of Mathematics.
- EDITH MAY PIERSON, B. S., Dean of the School of Home Economics. Professor of Home Economics.
- ADA VAN STEENBERG, Associate in Arts. Professor of Home Economics.
- E. W. AGAR, A. B., LL. B., Professor of the Common Branches.
- MRS. MOLLIE C. SPARKS, A. M., Dean of the School of Fine Art. Professor of Drawing and Painting.
- W. A. HOFFMAN, Professor of Penmanship.
- MRS. E. W. AGAR, M. O., Professor of Elocution and Oratory.
- GERTRUDE ABY, Ph. B., Professor of French.
- MRS. JENNIE WITMER-TALLCOTT, Ph. B., Professor of English.
- T. L. HYTTINEN, Professor of Manual Training. On leave.
- WILLIAM O. SPEER, Ph. C., Professor of Analytical Chemistry.
- STEPHEN P. CORBOY, A. B., Dean of the Department of Phonography and Typewriting. Professor of Phonography and Typewriting.
- VIRGIL O. MOOD, B. S., A. B., Farm Manager. Professor of Farm Practice.
- IDA M. HAINES, B. S., Pg. B., Dean of the Department of Primary Methods. Professor of Primary Methods.
- J. M. LIEN, A. B., Special Professor for Foreigners.
- EDMUND W. CHAFFEE, Bac. Mus., Dean of the School of Music. Professor of Piano, Harmony, Counterpoint and Musical Analysis.

ORLEE E. WEAVER, Bac. Mus., Professor of Voice, and Conductor of the University Chorus.

CLARENCE LOOMIS, Bac. Mus., Professor of Piano.

MRS. MABEL SPOONER-SCHULDT, Bac. Mus., Professor of Piano.

GUSTAV STEPHAN, Bac. Mus., Professor of Violin and Cello.

MRS. J. E. ROESSLER, B. S., Professor of Guitar, Mandolin and Banjo.

HELEN AXE BROWN-STEPHENS, B. S., M. Mus., Assistant Director of the School of Music. Professor of Voice.

H. ROWLAND ROBERTS, Bac. Mus., Professor of Voice.

C. FREDERIC OHLENMACHER, Bac. Mus., Professor of Piano, History and Appreciation of Music.

O. E. ROBINSON, Professor of Public School Music.

CHARLES H. DE WITT, M. S., M. D., Professor of Pathology, Bacteriology and Hygiene.

WILLIAM D. ZOETHOUT, A. M., Ph. D., Professor of Physiology.

TRUMAN W. BROPHY, M. D., D. D. S., LL. D., Dean of the School of Dentistry. Professor of Oral Surgery.

C. N. JOHNSON, M. A., L. D. S., D. D. S., Dean of the Students. Professor of Operative Dentistry.

W. L. COPELAND, M. D., C. M., M. R. C. S., Professor of Anatomy.

CALVIN S. CASE, M. D., D. D. S., Professor of Orthodontia.

W. H. G. LOGAN, M. D., D. D. S., Professor of Oral Pathology and Oral Hygiene.

F. E. ROACH, D. D. S., Professor of Prosthetic Dentistry.

P. G. PUTERBAUGH, M. D., D. D. S., Professor of Physical Diagnosis and Anaesthetics.

R. E. MACBOYLE, D. D. S., Professor of Crown Bridge Work.

T. P. BUCKLEY, Ph. G., D. D. S., Professor of Therapeutics.

R. E. HALL, D. D. S., Professor of Prosthetic Dentistry.

C. F. B. STOWELL, D. D. S., Professor of Comparative Anatomy.

J. E. SCHAEFFER, D. D. S., LL. B., Professor of Dental Jurisprudence.

- GERALD H. STONER, B. S., M. D., Professor of Therapeutics.
SIMON J. YOUNG, M. D., Professor of Physical Diagnosis.
ROBLEY D. BLOUNT, M. D., Anaesthesia.
C. M. CAHILL, D. D. S., Associate Professor of Materia Medica and Therapeutics.
T. L. GRISAMORE, Ph. G., D. D. S., Associate Professor of Orthodontia.
LEONARD C. BORLAND, M. D., L. P., Associate Professor of Anatomy.
BURTON HOWLETT, A. B., Assistant Professor of Physics.
STEPHEN L. EPPLE, A. B., Assistant Professor of Anatomy and Histology.
MRS. CORA BENHAM, Pg. B., Assistant Professor for Foreigners.
CHAS. E. LAPE, A. B., Assistant Professor of Manual Training.
MYERS E. ZIMMERMAN, Assistant Professor of Phonography and Typewriting.

INSTRUCTORS

- VIRGINIA MORA, Instructor in Spanish.
LILLIAN M. WALTER, A. B., Instructor in Algebra.
BUNA BESHEARS, Pg. B., Graduate in Fine Art, Instructor in Art.
S. A. RIFENBURG, A. B., Instructor in Biology.
C. H. REIDER, B. S., Instructor in Civil Engineering.
H. T. FISHER, C. E., Assistant in Mechanical Drawing.
RAYMOND N. FAGER, C. E., Assistant in Civil Engineering.
EMMIE DE NELER, Assistant in Folk Games.
C. M. JONES, Assistant in Physiology.
MAJA WHITE, Associate in Arts. Instructor in Domestic Art.
C. F. RAFORTH, Instructor in Bookkeeping.
J. R. WATT, D. D. S., Instructor in Prosthetic Technic.
JOHN E. KOLAR, D. D. S., Instructor in Operative Technic.
M. L. SCHMIDT, D. D. S., Instructor in Oral Pathology.
A. E. DE REIMER, D. D. S., Instructor in Oral Surgery.
I. JIRKA, D. D. S., Instructor in Anatomy.

- F. F. MOLT, D. D. S., Demonstrator in Radiography.
D. N. LEWIS, D. D. S., Instructor in Porcelain Art.
W. A. DANIELSON, A. B., M. D., Instructor in Histology and Embryology.
J. J. URBANCK, D. D. S., Instructor in Anatomy.
CARL A. HALLIE, A. B., D. D. S., Demonstrator in Infirmary.
J. W. FORD, D. D. S., Demonstrator in Infirmary.
U. R. KLANDT, D. D. S., Demonstrator in Infirmary.
A. BROM. ALLEN, D. D. S., Instructor in Extracting.
N. R. SNELTZER, D. D. S., Demonstrator in Infirmary.
R. E. LIGHT, D. D. S., Demonstrator in Prosthetic Department.
A. VANDER VEURST DE VRIES, D. D. S., Demonstrator in Prosthetic Department.
J. A. WRIGHT, D. D. S., Demonstrator in Infirmary.
R. H. MILLER, D. D. S., Demonstrator in Prosthetic Department.
M. O. LEPAK, D. D. S., Demonstrator in Infirmary
A. B. MORRIS, D. D. S., Demonstrator in Infirmary.

VALPARAISO UNIVERSITY

VALPARAISO, INDIANA

Valparaiso University was founded September 16, 1873, by Henry Baker Brown, who was President of the Institution until his death, September 16, 1917.

President Brown was born October 6, 1847 at Mount Vernon, Ohio. At the age of fifteen he began to teach. From his small salary he saved enough to enable him to continue his education. After a course in Ohio Wesleyan University, Delaware, Ohio, he continued his studies in the National Normal University, Lebanon, Ohio, where he graduated.

President Brown realized very early in his career as a teacher that many young people are prevented from attending higher institutions of learning on account of the enormous expense and, in many cases, on account of the impractical courses of study. In 1873 he came to Valparaiso with the fixed determination of establishing a school where rich and poor would have an equal chance; where *work*, not *wealth* would be the standard; in fact, where all would have the opportunity of obtaining a thorough practical education at an expense within the reach of those having the most limited means.

There was a school building at Valparaiso which had been used until 1870 as a Methodist college. President Brown made arrangements to purchase this property, and on September 16, 1873 he opened the Northern Indiana Normal School with three instructors and an enrollment of thirty-five students.

The duties were many and the work heavy, but President Brown carried the burden alone until 1881 when Oliver Perry Kinsey joined him and assumed the duties of Vice-President of the school.

In 1900 the name of the Institution was changed to Valparaiso College and after the addition of the Medical and Dental Departments the name was again changed, in 1905, to Valparaiso University.

The University remained a private institution until February, 1916, when President Brown and Vice-President Kinsey transferred it to a self-perpetuating Board of Trustees in order that the institution which they had established might endure for all time.

It is impossible to estimate the value and far-reaching re-

sults of the work and the life of this gifted educator, Henry Baker Brown. To the hundreds and thousands of men and women scattered throughout the world who came under the influence of his marvelous personality, no word of praise is too strong, no monument too great to commemorate his wonderful service to humanity. It was he who, more than any other man, placed an education within the reach of the poorest boy and girl. It was his life's ideal, and to the nurturing and fostering of it he gave his time, his energy and his life. All over the world there are thousands of prosperous men and women who owe their success to his genius. No other American educator has done so much for the cause of universal education as the Founder of Valparaiso University. No one has done more to develop the principles of democracy in an educational institution.

VALPARAISO UNIVERSITY will always remain an eloquent monument to his memory.

Growth—Each succeeding year the attendance has been greater than that of the previous year. From an enrollment of 35 students the attendance has increased to an annual enrollment of more than 5,000 students; from 3 departments to 22 departments; from 4 instructors to nearly 200 instructors; from a part of the Old College Building to 9 large school buildings, including the building in Chicago for Dental work; from very meagre laboratories to laboratories that now accommodate 600 students working at one time, or 1,800 daily; from a library of a few hundred books to one of more than 25,000 choice works of reference. The University also maintains two farms for the work in agriculture, a small tract of seventeen acres, and the Pinney Foundation Farm of four hundred acres.

Steady growth and unparalleled prosperity could not continue for nearly half a century unless the work offered and the equipment furnished were such as to satisfy the real needs of the average student.

Location—The University is located at Valparaiso, a prosperous city of northern Indiana, fourteen miles south of Lake Michigan and the world famous Sand Dunes. There is a chain of lakes almost at its very door, and the historic Kankakee forms the southern boundary of the county. Chicago, the metropolis of the West, is but forty-four miles away. Valparaiso is surrounded by a beautiful farming country, and is situated on one of the highest points in the northwestern part of the state.

The city has a population of nearly ten thousand people. It

has well paved streets, interurban street car service, an extensive system of sewerage, and one of the most complete systems of waterworks anywhere to be found. The water, pronounced by chemists to be exceptionally pure, is obtained from a lake three miles north of the city.

How to Reach Valparaiso—Valparaiso has three railroads; the Pittsburgh, Fort Wayne and Chicago (Pennsylvania), the Grand Trunk, and New York, Chicago and St. Louis (Nickel Plate). All North and South lines make easy connection with these roads, and trains can be obtained almost hourly to and from Chicago.

The City of Schools and Churches—Eight of the more prominent churches are represented in Valparaiso. They have beautiful and modern buildings, with a seating capacity ranging from 400 to 1,500. The Sunday Schools and Young People's Societies in connection with each are well attended. The students are always very welcome to all of the church services. The Young Men's and Young Women's Christian Associations in connection with the University are among the largest in the state.

Care of Students—Ever since the organization of the Institution, there have been dormitories for women and dormitories for men, but it has not always been possible to accommodate all in separate buildings. The Institution now has ample buildings and can provide all women with accommodations in dormitories and private houses. No woman is permitted to take rooms in buildings not approved by the faculty. Each of the large dormitories is in charge of an experienced matron whose only duty is the care of the occupants of the building.

The young women of the University are directly under the supervision of the Dean of Women who gives her entire time in directing their social activities. From the time the young women enter the University until they leave for their homes they are under the care of the Dean; in fact, everything surrounding the life of the young women is carefully supervised, and always in a protecting way. The Dean co-operates with the Y. W. C. A., which is always prominent in University affairs, in helping to provide suitable entertainments. All parties given by the students or which students attend, are properly chaperoned.

The most careful mother may safely trust her daughter to the University and feel assured that she will receive painstaking care in her mental and moral growth and in her physical and social development.

Care is given to the men of the University. Their dormitories

are in charge of secretaries who look after their interests in every way. The Y. M. C. A. also has a secretary who, with certain members of the faculty, acts as a board to provide suitable entertainment and recreation. The same regulations with reference to entertainments apply to the men as to the women.

The students and faculty are one, not only in their student life but in their social life as well.

Should a student become sick while attending the University, he is given immediate and careful attention. If necessary a nurse is provided, or he is taken to the hospital, either of which involves very little additional expense. If the case is serious the parents or guardians are immediately notified. There need be no fear entertained that he will be neglected, or that his sickness will be kept secret.

The members of the faculty make reports of absentees, of those who are not progressing satisfactorily, of those who need private help, and of cases of sickness. Each case is given immediate and proper attention.

Societies—There are many literary societies in connection with the University. They give excellent literary and musical programs. Prominent among these are the Bethany Society, the Catholic Society, the Commercial Society, the Engineering Society, the Lithuanian Society, the Menorah Society, the Prohibition League, the Student Congress, and many state societies.

Entertainments—A large number of entertainments is given every year in connection with the University work. Many of them are given by members of the University, students and faculty, and others are given by lecturers and entertainers of a high rank from all over the United States. Thus the students are given an opportunity to hear the best of music and the finest of lectures.

Athletics—University Field comprises fifteen acres and contains a quarter mile cinder track, baseball diamond and fifteen tennis courts. Adjoining the Field is the Gymnasium which, while not entirely complete, offers excellent facilities for basketball and other student events. The building seats 1,500 people.

The Student Council—The Student Council is an organization of students elected by the various classes of the University. This body meets once a week and controls in a very large measure the activities of the student. The faculty is represented by one member who is annually appointed by the President of the University.

Faculty Committee—This committee consists of the Registrar and five members of the faculty who are appointed by the

President. Its duties are: to pass upon entrance credentials, to determine and allow changes in courses of study, to allow extra studies, and to determine the fitness of a student for graduation.

Student Publications—"The Torch" is a weekly publication owned and published by the students. The control of the paper is vested in the Student Council. Students who are interested in newspaper work will find "The Torch" an excellent opportunity for practical experience in newspaper writing. The paper has several departments and requires the help of many students.

"The Record" is an annual publication. It is also under the control of the Student Council. It is written and arranged by students selected from the senior class, and contains a record of the principal events of the college year. It is the "year book" of the senior class and is much prized by all of the graduates.

The University Year—The University year is divided into four quarters of twelve weeks each.

New classes are formed in a majority of the subjects each quarter. This makes it possible for a student to enter the University at the beginning of any quarter and get such work as he may desire. In the Music and Preparatory Departments students may begin work at any time, but even here it is advised, if possible, to enter at the first of the quarter.

The above does not apply to the Schools of Law and Dentistry, in which admission is permitted only at the beginning of each year.

Requirements for Entrance—The University maintains a complete and thoroughly equipped High School Department, admission to which there are no entrance requirements. However, in the college departments, such as Arts and Sciences, Education, Law, Engineering, and Pharmacy, certain requirements for entrance are demanded which are set forth under the head of each department. Students are advised to familiarize themselves with the entrance requirements of the department in which they expect to do work before entering the University.

The University has no arrangements for the accommodation of colored students nor for children under sixteen years of age.

Registration—All students are required to register before beginning work. By registering is meant the payment of tuition fees and the presentation of preliminary education credits. Upon entering the University the student must present all his credentials to the Registrar unless they have been previously sent. His

course of study for the quarter is then approved and he receives a card admitting him to the classes.

A preliminary education blank will be found in the front of this catalog. The student is requested to have this blank filled out before entering. Duplicate blanks may be obtained by addressing the Registrar of Valparaiso University, Valparaiso, Indiana.

Number of Studies—The University is organized on a four study basis. This means that four subjects with five recitations each week represent full work. No person will be allowed to take a fifth subject unless he has made at least two "A"s, and has no grade lower than a "B" in the previous quarter's work. The following scale is used by the University for grading: A, excellent; B, good; C, fair-passed; D, conditioned; and E, failed.

Diplomas—The University is regularly chartered and confers the usual degrees.

Time Required for Graduation—The time required for the completion of any one of the courses of study depends entirely upon the previous preparation made by the student. In order, however, to receive a degree from any of the higher courses, it is necessary for the student to be a resident of the University at least one school year.

Courses of Study—The regular courses of study will be found in the following pages. It is not necessary that students remain consecutive years (although this is always desirable) as the classes are so arranged that the student may drop out for a quarter, or a year, as the case may be, then return, and take up his studies where he left off with very little inconvenience.

Time Given—It must be remembered that a school year here means forty-eight weeks, with daily recitations in each subject of fifty-two minutes each. There are short vacations and few holidays. This enables the student to do one and one-third year's school work in each calendar year.

Examinations for Advanced Standing—Any student desiring to take an examination for advanced standing will apply not later than Saturday of the tenth week of any quarter at the College office for such examination. He will pay \$3.00 examination fee for each subject to be taken. The examination will cover four hours. The date will be Friday immediately following the end of any quarter or at such other time that the teacher before whom the examination is taken may select. A passing grade from this examination

will be accepted by the University as a credit. Rules for the conduct of this examination may be had at the office at any time.

No credit will be issued to a candidate who is not already qualified to take work in the department in which he takes the examination.

The above does not apply to examination for the removal of conditions nor to subjects in the Preparatory and High School Departments.

Special Students—There are many persons who have not had a High School training and who have neither time nor money to complete a high school course, and who wish to do special college work in some one or two particular lines of study. They must prepare themselves in the shortest possible time. The University wishes to encourage these. They may enter any college classes as *special students*. A *special student* is one who is regularly enrolled in a college class and who will receive all of the privileges of this class but will receive no credit in the form of a "technical grade" for the work done, because he has not had the four years' high school course which is regularly required for entrance into college work.

University Regulations—I. Students may enter the University at any time by paying tuition for one quarter from time of entrance. II. Should students pay for more than one quarter, and be obliged to leave, all tuition excepting for the quarter then in progress will be refunded. Tuition for a broken quarter is not refunded. This does not apply to the School of Medicine and the School of Dentistry, in which tuition for the current year is not refunded. III. When money for board is advanced, and the student is obliged to leave before the time expires for which payment is made, weekly rates are charged to the time of leaving, the balance refunded. IV. In case of sickness, or an absence of more than three weeks, the student will receive from the Secretary of the Board of Trustees a certificate which will entitle him to the unused time, which may be made up at any quarter. No certificate is transferrable. V. Should it be necessary for a student to be absent from a class he must secure an excuse from the President. VI. The University holds itself accountable for the morals of the student as far as possible, and the utmost care is used that no improper associations may be formed. VII. Students will be dismissed for neglect of duty or for improper conduct. The authorities reserve the right to interpret what shall be considered improper conduct. VIII. Inasmuch as the success and welfare

of the student depends upon the University having entire control of his time and associations, he will also be dismissed for engaging, without permission of the President, in any course of instruction, study, or business enterprise outside of the University. IX. All students will be received, or dismissed, at the discretion of the President.

Public announcements concerning these regulations are made at the opening of every quarter, so that students may always be thoroughly informed concerning them.

The University realizes that it can have its greatest prosperity only when other institutions of learning are prospering, and it has always been its policy to work in harmony with all other schools.

EXPENSES

Tuition—The tuition is \$20 per quarter of twelve weeks or \$75, if paid in advance, for the entire year of forty-eight weeks. This includes the work in all of the departments except Law, Dentistry, Music, and Art, and private lessons in Penmanship and Elocution.

When, however, the full tuition (\$80) is paid for the year in advance, Art and private lessons in Penmanship are included, so that in fact, the one tuition pays for everything except Law, Dentistry, Music, and Elocution.

The expenses connected with the above exceptions may be found on the following pages:

Law	126
Dentistry	135
Music	94
Art	100

Private lessons in Penmanship cost \$2.50 per quarter of twelve weeks and private lessons in Elocution cost \$1.00 per lesson.

When tuition for the year has been paid and the student is obliged to leave, all tuition excepting for the quarter then in progress is refunded. Tuition for a broken quarter is not refunded.

A diploma fee of \$7.50 is charged all graduates of the University excepting those in the Commercial Department and the Department of Phonography and Typewriting. The diploma fee of these departments is \$5.00.

Board and Rooms—The University gives a good grade of board for \$40 per quarter of twelve weeks. When paid by the week the price is \$3.75 per week paid in advance. There is a number of good private boarding halls for students which afford practically the same rates as the University.

Rooms may be had for from \$10 to \$18 per quarter. The University makes an additional charge of 25 cents per week when its rooms are rented by the week. During the Fall, Winter and Spring quarters, \$5.00 per quarter additional is charged for heat.

At the lower rates, two students have a single room and wardrobe; at the higher rate, two students have a suite of rooms; that is, a study room, bed room and wardrobe. All the newer dormitories have hot and cold water in the rooms, and all dormitories have bath rooms. All rooms, whether single or in suites, are furnished with beds, bedding, chairs, tables and rugs.

The students pay for their light and laundry. The laundry work for the rooms is done by the University. The light need not exceed \$6 per year. Laundry may be had at from 35c to 50c per dozen articles. In connection with all the larger dormitories there are laundries where students may do their own laundry work at very little expense.

Athletics—At the beginning of each of the first three quarters all students will pay \$1.00 for the maintenance of athletics. In return they will be given a ticket which will admit them free to all athletic contests. The money thus collected is placed at the disposal of the Student Council which is in control of all student affairs.

The Torch—The students of the University desire to have the best possible college paper. A first requisite is an assured subscription list. By request of the Student Council each student will pay 50 cents at the beginning of each of the first three quarters for The Torch. This is payable at the University Office at the same time as the tuition and athletic fees.

Summary—An idea of the expenses may be had from the following summary:

For one quarter—Tuition, \$20; Athletic and Torch fees, \$1.50; Board, \$40; Room, \$10 to \$18.

For four quarters—Tuition, \$75, if paid in advance; Athletic and Torch fees, \$4.50; Board, \$160; Room, \$55 to \$87.

Books—Most books that are used more than one quarter in the year may be rented at a small per cent of retail price, thus saving what is usually a great expense.

Remittances—All remittances should be made by draft, postal money order or express money order. *Please do not use personal checks.* There is always delay in collection, besides there is always cost for the same.

Students are advised to bring enough money to pay their expenses for at least one quarter of twelve weeks.

What to do on Arriving at Valparaiso—On reaching the city, come directly to the President's office, which will be found in the University building. Here all necessary information will be given with reference to studies, classes, rooms and boarding.

Students are advised to make no contracts for rooms until the University office has been reached.

The fare from any of the railroads to the University office is twenty-five cents. Trunk checks should be retained until rooms are selected. Trunks are delivered from any station at the rate of twenty-five cents per trunk.

By adhering to these suggestions much time and annoyance may be saved the student.

DEPARTMENTS

PREPARATORY DEPARTMENT

A Preparatory Department is maintained because the University desires to assist all who are seeking an education. The University believes that the student should have adequate training in the common branches, as these form the foundation for advanced work. Many are inclined to neglect this important part of a true education.

The only preparation necessary to enter this department is that the student be able to read the common school texts. Those who are not prepared to enter these beginning classes may receive private instruction until they are able to take class work. This department, as well as others, is in charge of experienced teachers, and just as careful attention is given to the instruction as in the highest department of the University. It is the purpose of this department to give the student a thorough knowledge of the fundamental points of the subjects studied and thus lay a careful foundation for the higher courses of study. Beginning classes are organized in all subjects at the first of every quarter.

Special attention is given to the teaching of foreigners. The work is carefully graded, and the latest and best books for the teaching of English are used.

The success of the students who have studied in this department has been phenomenal. In a very few months many have prepared themselves to enter college work.

All courses in this department are twelve weeks in length, five hours a week.

DESCRIPTION OF COURSES

ARITHMETIC—Five different courses are offered in Arithmetic. Three of the classes are in Practical Arithmetic; one beginning at the first; one with Fractions; and another with Percentage. There are two classes in Higher Arithmetic. One begins directly after Division of Simple Numbers and completes the subject as far as and including True and Bank Discount. Another begins with Percentage and in one quarter completes the work.

Besides these courses, there is a class in Commercial Arithmetic, a class which reviews the entire subject of Arithmetic, and

a class in Mental Arithmetic and Rapid Calculation. These three classes are given in the Commercial, High School, and Teachers' Review Departments.

LANGUAGE LESSONS AND GRAMMAR—The Language lessons give special attention to correct forms of expression and the choice of words and their meaning. There are four classes in English Grammar. The first three are in Elementary Grammar. One begins at the first and covers half of the text. The second finishes the text. The third covers the entire text in one quarter. The fourth class is in Advanced Grammar and belongs to the High School and Teachers' Review Departments.

GEOGRAPHY.—This is a course in Descriptive Geography. Special attention is given to the physical features, the commercial rank and the political and educational standing of each country.

Map-drawing is taught by sketching, by enlarging maps and by moulding. Twenty-four weeks are given to this subject.

UNITED STATES HISTORY.—Twenty-four weeks are given to this course. The first quarter of twelve weeks covers the period from the Discovery of America to the close of Washington's administration. Special attention is given to the Causes and Results of the Revolution, and the formation of the Constitution.

The second quarter deals with the Period of the Administrations. The Growth of Political Parties, Industrial and Territorial Expansion, the Civil War, Reconstruction, and the recent Industrial and Territorial Expansion are the topics especially emphasized.

PHYSIOLOGY.—An elementary course in Human Anatomy, Physiology and Hygiene. Emphasis is placed upon the studies of those structures and activities which arouse an interest in personal hygiene and sanitation. A laboratory fee of 50 cents is charged.

LETTER WRITING AND PUNCTUATION.—Classes in Letter Writing and Punctuation are formed at the beginning and middle of each quarter. These classes are for students who wish to learn correct forms in Business Correspondence and in Social Usages.

READING AND SPELLING.—Special attention is given to these subjects, so often neglected in preparatory schools. No one who is not accurate in spelling and a careful reader can hope to accomplish much in business or professional life. Every student, whether in the Preparatory Department or not, has the privilege of entering these classes.

CIVICS.—The student gets an insight into what the Government is, and its relation to the citizen. A careful analysis is made with a view of giving to the student a better appreciation of citizenship.

PENMANSHIP.—This work is in charge of a specialist who gives his entire time to this department.

VOCAL MUSIC.—The rudiments of music are studied with a view of properly opening the way to the student for advanced work.

DRAWING.—Twenty-four weeks are given to the study of Drawing. Beginning with elementary work the student is brought to an appreciation of the subject with a good foundation for carrying the work much farther if desired.

THE UNIVERSITY HIGH SCHOOL

The High School Department of Valparaiso University is one of the Commissioned High Schools of the State of Indiana. The Indiana text books are used and the courses of study have the approval of the Indiana Board of Education. The graduates have the same standing as the graduates of any other Commissioned High School of Indiana.

This Department is maintained to meet the needs of persons who wish to become teachers or enter professional schools or colleges, or who, for any cause, wish the advantages of a High School education.

Fifteen Units or forty-five credits are required for graduation. A unit is defined as thirty-six weeks work in one subject, with recitations five times per week and the recitation periods fifty-two minutes in length. A credit is one-third of a unit.

Required Work—Three units in English, one unit in Algebra, one unit in Geometry, one unit in Science, two units in History and Civics, and two units in a Foreign Language are required for graduation. Two quarters of Debating, consisting of nine nights each, and one quarter of Parliamentary Law are required.

Electives—The other five units or fifteen credits may be selected from: Chemistry, Physics, Commercial Law, Bookkeeping and Actual Business, Language, Physiology, Geometry, Biology, Phonography and Typewriting, Commercial Arithmetic, Music, Manual Training and Domestic Science.

The certificate granted upon the completion of this course is equivalent to a diploma from any Commissioned High School of Indiana.

Full credit will be given for work done in any accredited High School. This enables the student to begin where he left off in another school and finish his course just as soon as the required number of units of work has been completed.

The number of quarters required to finish the course will depend upon the student's previous education and general mental advancement. In order to obtain the best results it is necessary that a definite sequence of studies be pursued.

It is the aim of the University to prepare well all graduates of this department to enter future college and professional work.

No diploma is given unless the student has been a resident of the University one school year.

DESCRIPTION OF COURSES

MATHEMATICS

All courses are given every quarter

COURSE A—*Twelve weeks. Five hours.*

ALGEBRA I—Addition, subtraction, multiplication, division, the simple equation, abbreviated multiplication and division, and factoring are studied in this course.

COURSE B—*Twelve weeks. Five hours.*

ALGEBRA II—Fractions, fractional equations, simultaneous equations, graphs, involution and evolution to theory of exponents are the topics studied.

COURSE C—*Twelve weeks. Five hours.*

ALGEBRA III—A brief review of involution and evolution, theory of exponents, radicals, imaginary quantities and quadratics are the subject matter of this course.

PLANE AND SOLID GEOMETRY

COURSE A—*Twelve weeks. Five hours.*

PLANE GEOMETRY I—Introduction. Birthplace of Geometry, and other historical notes of interest. Important uses of the subject today. Books I and II are taught in this course.

COURSE B—*Twelve weeks. Five hours.*

PLANE GEOMETRY II—This quarter follows Geometry I. More original work is required. Egyptian and Greek Geometry are compared. Important constructions are given. Books II, III, IV and V are finished.

COURSE C—*Twelve weeks. Five hours.*

PLANE GEOMETRY III—This work follows Geometry II. Carefully selected exercises are used to bring out clearly the numerous applications of the basal propositions of Plane Geometry. Difficult constructions. Algebraic analysis. Review of formulas. Introduction to Solid Geometry.

COURSE D—*Twelve weeks. Five hours.*

SOLID GEOMETRY—The course follows Plane Geometry III, and covers the usual propositions of good American text-books. Much work is entirely original. Difficult constructions. An excellent preparation is given for the study of Higher Mathematics. Solid Geometry is finished and Trigonometry is introduced.

COMMERCIAL ARITHMETIC

COURSE A—*Twelve weeks. Five hours.*

This course is for those who are strong in Arithmetic. Careful attention is given to Percentage:—Interest, Discount, Accounts, Commission and Insurance, and Exchange. Business forms are taught. Analysis is followed by short solutions; abstract arithmetic, by applied arithmetic.

HISTORY

COURSE A—*Twelve weeks. Five hours.*

U. S. HISTORY I—Covers the period from the Discovery of America to the War of 1812. The more salient features emphasized are the Discoveries, Settlements, Formation of the Government, and Establishment of a Stable Nation. Frequent reports.

COURSE B—*Twelve weeks. Five hours.*

U. S. HISTORY II—Emphasizes the Struggle for Liberty on the High Seas, National Expansion, the Rise of the Slave Issues, War with Mexico and the Civil War; Reconstruction, the Second period of National Expansion, the Spanish War, and the Era of Great International Activities, including our part in the World War. Frequent reports.

COURSE C—*Twelve weeks. Five hours.*

CIVICS—The aim is to lead the student to a deeper sense of citizenship through a careful study of the Functions of our Local and National Governments.

Written reports on each one's local government.

COURSE D—*Twelve weeks. Five hours.*

ANCIENT HISTORY—A brief intensive study of the Essentials of Ancient, Oriental, and Egyptian Civilizations and Ancient Greece and Rome.

Frequent oral and written reports on special topics.

COURSE E—*Twelve weeks. Five hours.*

MEDIEVAL AND MODERN HISTORY—This course consists of the Dark Ages, the Age of Revival of Culture and Industries, and a study of the Intellectual and Political Evolutions of Modern Nations.

Frequent oral and written reports on special topics.

COURSE F—*Twelve weeks. Five hours.*

MODERN EUROPEAN HISTORY—A general survey of the readjustment of Modern Europe since 1815; the evolution of Political

and Social problems and the great issues of the present World Struggle.

Frequent reports on special topics.

NOTE: The best results are obtained by taking the courses in the order arranged.

All the courses will be given every quarter if there is a demand for them.

ENGLISH

COURSE A—*Twelve weeks. Five hours.*

ADVANCED GRAMMAR—The fundamentals of English Grammar; a thorough drill in using correct speech.

Given every quarter.

COURSE B—*Twelve weeks. Five hours.*

RHETORIC I—The elements of Rhetoric; punctuation, diction, sentence structure, paragraph writing, letter writing.

Given every quarter.

COURSE C—*Twelve weeks. Five hours.*

RHETORIC II—A continuation of Course B. A study of the principles of composition, the theme as a whole, the outline, prosody, description and narration. Long and short themes required.

Given every quarter.

COURSE D—*Twelve weeks. Five hours.*

RHETORIC III—A continuation of Course C. Note taking, exposition and argumentation, long and short themes.

Given every quarter.

COURSE E—*Twelve weeks. Five hours.*

AMERICAN LITERATURE—Brief historical survey, using special study of several representative American authors.

COURSE F—*Twelve weeks. Five hours.*

ENGLISH LITERATURE—Historical survey of English Literature with emphasis on the periods, movements, literary types and the work of the greater writers.

Given every quarter.

COURSES G, H, I, J, K, L, M, and N.

ENGLISH CLASSICS—A study of the masterpieces of English Literature. Each course will be given one quarter each year.

COURSE G—*Twelve weeks. Five hours.*

Study—(1) Longfellow, *Tales of a Wayside Inn*; (2) Stevenson, *Treasure Island*; (3) Dickens, *Christmas Carol*.

Outside Reading—(1) Irving, *Tales of a Traveller*; Haw-

thorne, Tanglewood Tales. (2) Twain, Tom Sawyer; Dickens, Oliver Twist. (3) Dickens, Christmas Stories; Mary Wilkins Freeman's Christmas Jenny.

COURSE H—*Twelve weeks. Five hours.*

Study—(1) Scott, Lady of the Lake; (2) Burroughs, Birds and Bees; (3) Parkman, The Oregon Trail.

Outside Reading—(1) Scott, Marmion; Scott, Quentin Durward. (2) Porter, Freckles; Bryant, To a Waterfowl; Warner, My Summer in a Garden. (3) Cooper, Last of the Mohicans; Roosevelt, Winning of the West.

COURSE I—*Twelve weeks. Five hours.*

Study—(1) Homer, The Odyssey; (2) Macaulay, Lays of Ancient Rome; (3) Shakespeare, As You Like It.

Outside Reading—(1) Church, Story of the Iliad; Defoe, Robinson Crusoe. (2) Davis, Soldiers of Fortune; Hawthorne, The Marble Faun. (3) Shakespeare, Much Ado About Nothing; Shakespeare, Romeo and Juliet.

COURSE J—*Twelve weeks. Five hours.*

Study—(1) Scott, Woodstock; (2) Hawthorne, Twice Told Tales I; (3) Eliot, Silas Marner.

Outside Reading—(1) Major, When Knighthood Was in Flower; Scott, The Talisman. (2) Hawthorne, Twice Told Tales II; Old Testament Narratives. (3) Dickens, Old Curiosity Shop; Goldsmith, The Vicar of Wakefield.

COURSE K—*Twelve weeks. Five hours.*

Study—(1) Heydrick, Types of the Short Story; (2) Irving, The Sketch Book; (3) Burns, The Cotter's Saturday Night.

Outside Reading—(1) Short Stories by Bret Harte, Mrs. Mary Wilkins Freeman, Mrs. Alice Brown, and Mary Esther Mitchell. (2) Twain, Innocents Abroad; Irving, The Alhambra. (3) Eliot, The Mill on The Floss; Dickens, Pickwick Papers.

COURSE L—*Twelve weeks. Five hours.*

Study—(1) Goldsmith, The Deserted Village; (2) Dickens, A Tale of Two Cities; (3) Tennyson, The Princess.

Outside Reading—(1) Mitchell, The Last American; Lytton, The Last Days of Pompeii. (2) Hugo, The Toilers of the Sea; Scott, Guy Mannering. (3) Tennyson, Enoch Arden; Thackeray, Henry Esmond.

COURSE M—*Twelve weeks. Five hours.*

Study—(1) Franklin, Autobiography; (2) Emerson, Essays

on Compensation and Self Reliance; (3) Lincoln, Speeches and Addresses; (4) Burke, Speech on Conciliation.

Outside Reading—(1) Kellar, *The Story of My Life*; Washington, *Up From Slavery*. (2) Holmes, *Autocrat of the Breakfast Table*; Thoreau, *Walden*. (3) Churchill, *The Crisis*; Fox, *The Little Shepherd of Kingdom Come*.

COURSE N—*Twelve weeks. Five hours.*

Study—(1) Shakespeare, *Macbeth*; (2) Lowell, *The Present Crisis*; (3) Milton, *Minor Poems*; (4) President Wilson, *Address to Congress*, April 2, 1917.

Outside Reading—Shakespeare, *Richard III*; Kingsley, *Westward Ho!* (2) Selections: Rienze's Address to the Romans, King Henry's Address to His Soldiers, Webster's Bunker Hill Orations. (3) Washington's Farewell Address, Lowell's Commemoration Ode.

FRENCH

The six courses in High School French are designed to be the equivalent of four courses in College French so that the pupil having completed Courses A-F is eligible for French V. Classes in High School French are distinctly separate from those in College French.

COURSES A, B, C.

Angus—*Fundamentals of French.*

Le Francais et sa Patrie.

Voyage de M. Perrichon.

COURSES D, E, F.

Bruce—*French Composition.*

Historical French Reader—Weill.

Le Petit Chose, or Le Roman d'un Enfant.

Les Oberles.

Poemes et Chants de France—Daniel et Travers.

LATIN

Students who elect Latin as their foreign language and who expect to continue a College Course are advised to take three units.

COURSE A—*Twelve weeks. Five hours.*

ELEMENTARY LATIN I—D'Ooge's Latin for Beginners. Given every quarter.

COURSE B—*Twelve weeks. Five hours.*

ELEMENTARY LATIN II—D'Ooge's Latin for Beginners. Given every quarter.

COURSE C—*Twelve weeks. Five hours.*

ELEMENTARY LATIN III—D'Ooge's Latin for Beginners concluded. A thorough drill in indirect discourse, participles, gerunds and gerundives. Given every quarter.

COURSE D—*Twelve weeks. Five hours.*

CAESAR I—A little more than half of Book I is translated, with Latin Composition and Review of Paradigms. Given every quarter.

COURSE E—*Twelve weeks. Five hours.*

CAESAR II—The translation of Caesar is continued through Book II, with Latin Composition and the study of Latin Idioms. Given every quarter.

COURSE F—*Twelve weeks. Five hours.*

CAESAR III—Books III and IV are translated. Latin Composition is continued and Paradigms reviewed. Sight Translation is practiced. Given every quarter.

COURSE G—*Twelve weeks. Five hours.*

CICERO I—Pompey's Military Command and Latin Composition. A study of Roman Politics in 66 B. C. First quarter.

COURSE H—*Twelve weeks. Five hours.*

CICERO II—Orations against Catiline I, II and III. Latin Composition continued. Special study is made of conditional sentences. Second quarter.

COURSE I—*Twelve weeks. Five hours.*

CICERO III—Orations for the Poet Archias and de Senectute. Latin Composition and the study of Syntax are continued. The main emphasis is put upon the literary value of the text read. Third quarter.

COURSE J—*Twelve weeks. Five hours.*

VOCATIONAL LATIN—A course in English Word Formation. English Scientific Vocabulary developed from Latin sources. This is a High School elective course and is open to students who have had two quarters of Latin. Third quarter.

COURSE K—*Twelve weeks. Five hours.*

PHARMACEUTICAL LATIN—This course is intended for students of Pharmacy and Medicine. Second quarter.
Open to students who have had Course A.

BIOLOGY

COURSE A—*Twelve weeks. Five hours. Two hours laboratory.*

BOTANY I—The Morphology and Ecology of Seed Plants. Special attention is given to the subjects which pertain to Agriculture.

A laboratory fee of \$1.00 is charged. Given first and third quarters.

COURSE B—*Twelve weeks. Five hours. Two hours laboratory.*

BOTANY II—The Histological Structure of plants in general and the study of type forms of the Spore plants. Identification of some of the more common weeds, trees and cultivated plants.

A laboratory fee of \$1.00 is charged. Given second and fourth quarters.

COURSE C—*Twelve weeks. Five hours. Two hours laboratory.*

ZOOLOGY I—The Invertebrate Phyla of the animal kingdom are studied in detail. The meaning of animal relationships is emphasized and an introduction to the study of Evolution is given.

The laboratory work consists of dissecting animals representing the different Phyla studied. Complete notes are kept of all laboratory work.

A laboratory fee of \$1.00 is charged. Given every quarter if required.

COURSE D—*Twelve weeks. Five hours. Two hours laboratory.*

ZOOLOGY II—The Phylum Chordata is studied, with special attention given to birds and mammals. Each student is required to write a short paper upon the life of some eminent zoologist.

The laboratory work represents a continuation of that given in Course A.

A laboratory fee of \$1.00 is charged. Given second, third and fourth quarters.

COURSE E—*Twelve weeks. Five hours.*

PHYSIOLOGY—An elementary course in Human Anatomy, Physiology and Hygiene. Emphasis is placed upon the study of those traits and activities which arouse an interest in personal Hygiene and Sanitation.

A laboratory fee of 50 cents is charged. Given first and third quarters.

PHYSIOGRAPHY

COURSE A—*Twelve weeks. Five hours.*

Special emphasis is placed on the study of atmospheric phenomena and their effects. The distribution of land and water, the

position of mountains, plateaus, and lowlands, and their meaning are given careful attention. Classes organized as demanded.

CHEMISTRY

COURSE A—*Twelve weeks. Five hours. Two hours laboratory.*

INORGANIC CHEMISTRY I—This is essentially a High School course intended to give the student preliminary work in Chemistry. It introduces certain appropriate principles with their practical application. The main object is to awaken interest in the interpretation of new phenomena.

An appropriate laboratory course accompanies the class work.

A laboratory fee of \$2.00 is charged. Given first and third quarters.

COURSE B—*Twelve weeks. Five hours. Two hours laboratory.*

INORGANIC CHEMISTRY II—Continuation of Course I. This course includes a study of the common metals and carries with it laboratory experiments as in the preceding course.

A laboratory fee of \$2.00 is charged. Given second and fourth quarters.

COURSE C—*Twelve weeks. Five hours recitation and laboratory.*

An elementary course in chemical analysis. Lectures and recitation work, alternating with laboratory practice.

A laboratory fee of \$2.00 is charged. Given first and third quarters.

A breakage fee of \$1.00 is added to each laboratory fee. This will be returned, less individual breakage.

PHYSICS

COURSE A—*Twelve weeks. Five hours. Two hours laboratory.*

This course consists of a brief introduction to the subject, a study of the fundamental properties of matter, dynamics and mechanics of solids and fluids.

Pre-requisite—Algebra I.

A laboratory fee of \$1.50 is charged. Given every quarter.

COURSE B—*Twelve weeks. Five hours. Two hours laboratory.*

This course is also an elementary course, a continuation of Course A. The topics pursued are waves, thermometry, expansion, and transfer of heat energy.

Pre-requisite—Course A.

A laboratory fee of \$1.50 is charged. Given every quarter.

COURSE C—*Twelve weeks. Five hours. Two hours laboratory.*

This course is a continuation of Course B, completing the High

School work in Physics. The subject matter consists of selected studies in magnetism, electricity, sound and light.

Pre-requisite—Course B.

A laboratory fee of \$1.50 is charged. Given second, third and fourth quarters.

COMMERCIAL DEPARTMENT

This department has been organized for the purpose of giving the student a good knowledge of Commercial subjects in as short a time as possible. The work is especially attractive to the student who has not had the advantage of a liberal education. It gives him a review of the common school branches and an excellent preparation to enter business life.

This course of study is open to all students of the University. They may take the whole course or any part of it that they may choose.

The advice of the best business men from many of the large cities of the United States has been obtained in the organization of this department. As a result of this advice, everything unnecessary has been eliminated and the useful only retained. The work is conducted on the *Actual Business Plan*, which has everywhere been admitted to be nearest to real work.

Large and commodious rooms are provided for the accommodation of the students of this department. The rooms are equipped with a complete set of offices, and everything is furnished which will aid in making the work of the greatest practical value.

Different cities are represented by the different sets of offices, and the work is transacted in the same way as in actual business. The student is thus prepared to take a position in the bank or counting house or store of today without further preparation. He has the practice as well as the theory.

An idea of the completeness of this course can best be gained by means of the following brief outline:

The student enters the Elementary or Theoretical Course. He begins by making Day Book and Journal Entries, opening and closing the Ledger, both Single and Double Entry. He becomes acquainted with all forms of Invoices, Bills and Discounts, with the books and forms as used in Commerce and Shipping, Partnership and Banking.

Commercial Arithmetic, Commercial Law, Commercial Correspondence, English Grammar and Debating are other subjects studied.

After completing the Theoretical part, the student enters the Practical Course. Here he is furnished with Manuscript Work.

All of this work is inspected by the instructor in charge and nothing is permitted to pass that is not perfect in every respect. There are four banks. The settlements are made through the clearing house the same as in the large cities. This gives the student a thorough knowledge of exchange and business principles.

A fee of \$5.00 is charged those entering the Practical Department. This fee includes graduation.

In addition to Banking, the following offices are maintained: Real Estate; Insurance; Commission; Transportation and Shipping; Jobbing and Importing; and Merchants' Emporium. The student is taught to conduct each in a thorough, businesslike manner.

DESCRIPTION OF COURSES

COMMERCIAL LAW—The work in this subject includes the thorough discussion of all Principles of Contracts, Partnership, Agencies and Corporations; in fact, all the law points with which a business man should be acquainted. The student acts as a Notary Public in preparing a budget of papers necessary for the appointment of a Guardian, an Executor, and a Commissioner for the sale of Real Estate and partition of estates.

Twelve weeks.

BOOKKEEPING—The work in Bookkeeping also includes an examination of books and accounts with the view of detecting defalcations, error or misapplication of funds; also the different plans for auditing and examining books. In fact, just such work is given as will prepare the student for a position as Expert Bookkeeper. Twenty-four weeks.

COMMERCIAL ARITHMETIC—This course is for those who are already strong in Arithmetic. Careful attention is given to Percentage, Interest, Discount, Accounts, Commission, Insurance and Exchange. Business forms are taught. Analysis is followed up by short Solutions; abstract arithmetic, by applied arithmetic.

Twelve weeks.

RAPID CALCULATION—This is a course in Mental Arithmetic. Rapid commercial calculations are given in drills. Short cuts are presented. Methods of proving addition, subtraction and division are taught. Accuracy and speed are demanded. Six weeks.

LETTER WRITING—Classes in Letter Writing are formed at the beginning and middle of each quarter. These classes are for students who wish to learn correct forms for Business and Social Usage. Six weeks.

PENMANSHIP—A course in Plain and Business Penmanship is required in this department and is given without extra charge.

Twelve weeks.

A Special Course in this subject is advised for all who can spare time for the work. This course embraces plain writing, fancy writing, card writing, flourishing and lettering, designing, specimen work, and preparing pen work for photo engraving. The classes in this subject are in charge of a specialist who gives it his entire time. Should the student desire to give much time to this work he can be with the instructor five hours per day. A fee of \$2.50 is charged for the Special Course.

ENGLISH GRAMMAR—A thorough review of the subject is given in this course. The student is taught to analyze the sentence and to detect the common errors in speech.

Twelve weeks.

MACHINE BOOKKEEPING—During the last few years great strides have been made in Machine Bookkeeping. An adding-subtracting typewriter has recently been installed to prepare students to do this class of work. The work was outlined by an expert employed by one of the large typewriter companies, and is thoroughly up-to-date and practical. This course is open to students having a knowledge of Typewriting and Bookkeeping. A fee of \$1.00 is charged. Twenty hours.

ADDING—In order that the student may become familiar with the Adding Machine, a course of fifteen hours instruction is offered. This course should prove especially valuable to those who intend to become bookkeepers. A fee of \$1.00 is charged.

The following may be taken as a general outline of the course of study.

FIRST QUARTER

Arithmetic
Grammar
Bookkeeping
Penmanship
Debating
Letter Writing

SECOND QUARTER

Commercial Arithmetic
Bookkeeping
Actual Business
Penmanship
Rapid Calculation
Debating

THIRD QUARTER

Commercial Law
Penmanship
Adding Machine
Expert Bookkeeping
Typewriting

DEPARTMENT OF SHORTHAND AND TYPEWRITING

The demand for good stenographers has been so great that for many months the University has not been able to fill all the calls that have been made upon it for persons qualified to do stenographic work. The entrance salaries now paid by the U. S. Government to capable stenographers are \$1,100 to \$1,200 a year, and advancement is reasonably rapid.

The University makes a special appeal to students with college training to fit themselves as stenographers. Such people can command the best salaries in the large corporations and in the more responsible government positions. The technical college training fits one to comprehend the detail which must be mastered in order to become the best equipped office secretary. For those who have not been so fortunate as to have the extra years of school training the University offers courses in Grammar, Composition and Rhetoric, Literature, and Commercial subjects, which may be taken with the stenography and typewriting. Every subject which will aid a person to better understand and to write better English should be studied with the greatest care.

A person who is well advanced in his general education may become competent to hold a position in thirty-six weeks; others should devote forty-eight weeks to the shorthand and related subjects.

This Department is located on the top floor of the new Vocational Building. The rooms are large, light and airy. The equipment is complete and modern.

SHORTHAND—The classes are so arranged that the student may enter at any time, and those who have previously studied this subject may continue without interruption from the point they have already attained.

Dictation is given from many kinds and classes of business letters, editorials, legal forms and court testimony.

Classes recite ten hours each week.

TYPEWRITING—Actual touch typewriting is taught. Blank key-boards are used. After thoroughly memorizing the key-board, the student is required to do plain copying, arrange business letters, write legal forms, tabulate, copy from rough draft, cut sten-cils, make carbon copies, bill, and mimeograph. In the latter part

of the course, pupils take dictation direct on the typewriter and spend a large portion of their time in transcribing their shorthand notes.

A fee of \$2.50 is charged for the use of the typewriter two hours each day for one quarter. Additional hours cost \$1.25 per quarter. The typewriting room is open to all students in the department Saturday mornings without additional charge.

MACHINE BOOKKEEPING—During the last few years great strides have been made in machine bookkeeping. An adding-subtracting typewriter has recently been installed to prepare students to do this kind of work. The work was outlined by an expert employed by one of the large typewriter companies, and is thoroughly up-to-date and practical. This course is open to students having a knowledge of typewriting and bookkeeping. Four weeks are required to complete the course. A fee of \$1.00 is charged.

ADDING—In order that the student may become familiar with the adding machine, a course of fifteen hours instruction is offered. This course should prove specially valuable to those who intend to become bookkeepers.

A fee of \$1.00 is charged.

A diploma will be given to all who satisfactorily complete the work in this department. The diploma fee is \$5.00.

REVIEW DEPARTMENT FOR TEACHERS

Teachers may take work in any department for which they are prepared.

Teachers who come from those states which allow persons to teach before they have finished the High School, and who have not finished a High School course, will find the University High School Department peculiarly adapted to their needs. They can take the work in this department, obtain credits for it, and at the same time prepare themselves for teaching in their home locality.

Those who have finished a High School course should take work in the College Department. College credit will not be given for work done in the High School Department. Nearly everyone can find the work he desires. Every quarter there are classes in Arithmetic, Algebra, Geography, Grammar, History, English, Latin, and the Natural Sciences.

During the summer quarter classes will be given in English Grammar, Geography, Review Arithmetic, Physiology and United States History, for which college credits will be given.

COURSE I—*Twelve weeks. Five hours.*

REVIEW ARITHMETIC—The whole subject of Arithmetic is reviewed in one quarter. The student is given a thorough analysis of the fundamentals involved in each part of the subject. Particular attention is given to Fractions, Denominate Numbers, and Percentage.

Given first three quarters, for High School credit.

COURSE II—*Twelve weeks. Five hours.*

ARITHMETIC FOR ADVANCED STUDENTS—Particular attention is given to the fundamental principles involved in the study of Fractions, Denominate Numbers, Percentage and all of its applications. Analysis and short practical forms for the solution of the more difficult problems are given. Revenues, Insurance, Partnership, Allegation, Involution and Evolution and Mensuration are given particular emphasis.

Given summer quarter only, for college credit.

COURSE I—*Twelve weeks. Five hours.*

REVIEW GRAMMAR—The work of this class consists of a thorough review of the subject. The parts of speech are carefully re-

viewed, and the difficult points in the classification of Phrases and Clauses and the study of Verbs are given special attention.

Given first three quarters, for High School credit.

COURSE II—*Twelve weeks. Five hours.*

GRAMMAR FOR ADVANCED STUDENTS—The Inductive Method is carefully taught in the making of Definitions, and in analyzing the elements of the Sentence. The relation between the Idea and the Word, the Thought and the Sentence is fully explained; and the most difficult sentences in prose and poetry are carefully analyzed. The many grammatical uses of the Substantive in the Sentence, the comparison of the Pronoun and the Noun and of the Finite Verb with the Infinite Verb and the properties of the Parts of Speech are studied in connection with Sentence Analysis.

Given summer quarter only, for college credit.

COURSE I—*Twelve weeks. Five hours.*

DESCRIPTIVE GEOGRAPHY—The whole subject of Geography is reviewed in this quarter. The Earth is studied as a whole; its form, motion, size, zones, and the larger divisions of land and water are first considered. The political divisions and the races of man and their institutions are studied as carefully as the time will permit. Students who are well prepared for this course may complete it in twelve weeks.

Given first three quarters, for High School credit.

COURSE II—*Twelve weeks. Five hours.*

DESCRIPTIVE GEOGRAPHY FOR ADVANCED STUDENTS—A brief review is given of the general subject of Geography. The reasons for the distribution of man and for his various activities are studied in detail. Special attention is given to the political divisions from the standpoint of location, physical features, climate, flora and fauna. Commercial or Economic Geography is emphasized and many questions of vital interest are carefully discussed.

Given summer quarter only, for college credit.

COURSE I—*Twelve weeks. Five hours.*

UNITED STATES HISTORY FOR ADVANCED STUDENTS—A general survey of the larger problems of the Nation's development. Emphasis is placed on the larger institutional phases of the Colonial period; the Revolution and Formation of the Constitution and Government; Institutional Expansion; the Slave Issues; the War

with Mexico and the Rebellion; Reconstruction and Expansion of Domestic and International activities.

Given summer quarter only, for college credit.

COURSE I—*Twelve weeks. Five hours. Two hours laboratory.*

PHYSIOLOGY FOR ADVANCED STUDENTS—This course is designed especially for Pharmacists, Teachers, those taking Domestic Science and others wishing to review the subject. The chemical composition of the body, the tissues, the circulatory, respiratory, digestive and nervous systems are studied with all the detail that the time will allow.

Given second and fourth quarters only, for college credit. A laboratory fee of 50 cents is charged.

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is designed for those who wish to pursue a regular college course as a preparation for life's duties, or for any professional work.

The requirement for entrance into this College is the completion of the standard four-year high school course, or an equivalent attainment.

The graduate is given the degree of Bachelor of Arts upon the successful completion of the course of study.

If a student desires to specialize in any particular subject for teaching, he can make this subject his major and take enough professional work as his electives to allow him to teach in any state he may choose.

Forty-eight credits are required for graduation. A credit is defined as twelve weeks' work in one subject. These are distributed as follows:

Major subject	12
Related Minor	6
Language	6
English	3
Science	6
Elective	15

The major subject may be taken from any of the following departments: Latin, French, English, Physics and Mathematics, Chemistry, History, Biology, and from the School of Education. The minor subject will be selected after consultation with the head of the department from which the major subject is taken. The language requirement must be taken from one language, Latin or French. The English must be Freshman English; this consists of English Composition. The science credits may be taken from Mathematics, Physics, Chemistry, Botany, Zoology or Geology. Not less than three credits will be accepted in any Science.

MATHEMATICS

COURSE I—*Twelve weeks. Five hours.*

ALGEBRA IV—Quadratic Equations are reviewed and a careful study is given to the following: Equations of quadratic form; simultaneous equations involving quadratics; indeterminate equations; inequalities; ratio; proportion and variation; progressions,

permutations and combinations; probability, and binominal theorem. Every quarter.

Pre-requisite: High School Algebra.

Text: Hall and Knight's Algebra for Colleges and Schools.

COURSE II—*Twelve weeks. Five hours.*

TRIGONOMETRY—Trigonometry is taught as a branch of Geometry. The various methods of solving plane and spherical triangles are investigated and applied in original exercises, as the measuring of heights and distances, and in the simpler problems in Astronomy. Every quarter if demanded.

Pre-requisite: Algebra IV and Plane and Solid Geometry.

Texts: Wentworth's Revised Plane and Spherical Trigonometry; Longman's School Trigonometry.

COURSE III—*Twelve weeks. Five hours.*

UNIVERSITY ALGEBRA—This course in Higher Algebra is open to all students who have finished Geometry, Algebra IV and Trigonometry. The work includes logarithms, interest and annuities, limiting values and vanishing fractions, convergency and divergency of series, undetermined coefficients, decomposition of fractions, continued fractions, summation of series, the binominal theorem, exponential and logarithmic formulæ, determinants and theory of equations. Second and fourth quarters.

Texts: Hall and Knight's Algebra for Colleges and Schools; Todhunter's Treatise on Algebra.

COURSE IV—*Eighteen weeks. Five hours.*

ANALYTICAL GEOMETRY—Pre-requisite, Trigonometry. Beginning classes are organized at opening of first and third quarters. Subject matter: Equations for the straight line, circle, conic section, higher plane curves, planes and surfaces of revolution.

Plotting is an essential part of the work. This gives the student a clear conception of the loci studied. Given twice each year.

Text: Wentworth's Analytical Geometry.

COURSE V—*Twelve weeks. Five hours.*

DIFFERENTIAL CALCULUS—Proofs of differential formulæ, differentiation of algebraic, logarithmic, and trigonometric equations; application of these processes to problems of maxima and minima; problems in mechanics; expansion of functions.

Text: Campbell's Calculus and Granville's Calculus.

COURSE VI—*Eighteen weeks. Five hours.*

INTEGRAL CALCULUS—Subject matter: Proofs of integral formulæ; methods of integration; calculation of areas, volumes, mo-

ments of inertia, etc. Plotting is an important part throughout Calculus. Given twice each year.

Texts: Same as Course V.

COURSE VII—*Twelve weeks. Five hours.*

DIFFERENTIAL EQUATIONS I—In this course a careful study is made of differential equations of the first order involving the first, second and higher degrees of the derivative; equations of the second order; linear equations with constant coefficients and the same with variable coefficients; solutions in series, etc.

Pre-requisite: Physics I, II, III, and IV; Analytical Geometry and Calculus; it is better to have had Theoretical Mechanics, but this is not insisted upon. Third quarter.

Text: Johnson.

COURSE VIII—*Twelve weeks. Five hours.*

DIFFERENTIAL EQUATIONS II—This course is a continuation of Course VII, but includes a study of partial differential equations. The same text is used. Second quarter.

ASTRONOMY

COURSE I—*Twelve weeks. Five hours.*

This course is open to students who have had Trigonometry.

The student considers: Methods of locating the heavenly bodies, astronomical instruments, correction of errors of observation, the earth as an astronomical body, the moon, the sun, celestial mechanics, tides, eclipses.

Text: Moulton's Introduction to Astronomy.

First and third quarters.

COURSE II—*Twelve weeks. Five hours recitation. One hour observation.*

This course is a continuation of Course I.

The planets, parallax, comets, meteors, fixed stars, double stars, clusters, nebulae and cosmogony are studied. The same text as used in Course I.

A fee of 50 cents is charged all students taking Astronomy. One fee covers both courses.

Second and fourth quarters.

PHYSICS

The work in Physics consists of a series of studies adapted to the needs of those preparing to teach, or to those who are pursuing a course in pure science, either as a means of mental dis-

cipline, or as a preparation for a course in Engineering or some other branch of technological science.

The first four courses are lecture and recitation courses in general physics. Special drill is given in the solution of practical problems illustrating and applying the principles studied.

Courses V, VI, VII, and VIII are laboratory courses designed to familiarize the student with practical methods of accurate laboratory measurements. Lecture and quiz on the theory of the experiments accompany the actual laboratory work.

Any student who has had a thorough course in high school physics may safely take any of the first eight courses in whatever order is most convenient. Each course will be repeated as often as there is a demand.

COURSE I—*Twelve weeks. Five hours recitation and lecture.*

MECHANICS—Consists of a study of the fundamental properties of matter, inertia, capacity for energy, gravitation and elasticity. Special emphasis is laid on Newton's Laws of Motion and their application to mechanics.

Pre-requisite: Geometry and Trigonometry.

COURSE II—*Twelve weeks. Five hours recitation and lecture.*

FLUIDS AND HEAT—Comprises a brief study of hydrostatics, special properties of matter, a chapter on waves, thermometry, the simpler effects of heat and an elementary treatise of heat engines.

Pre-requisite: Geometry and Trigonometry.

COURSE III—*Twelve weeks. Five hours recitation and lecture.*

ELECTRICITY AND MAGNETISM—Brief historical survey of electrostatics, magnetism and current electricity. Considerable practice in the solution of problems is given.

Pre-requisite: Geometry and Trigonometry.

COURSE IV—*Twelve weeks. Five hours recitation and lecture.*

SOUND AND LIGHT—A study of wave motion, vibrating bodies and properties of sound, reflection, refraction, dispersion, diffraction and polarization.

Pre-requisite: Geometry and Trigonometry.

COURSE V—*Twelve weeks. Ten hours laboratory.*

MECHANICS—Consists of thirteen exercises embracing the main principles of the mechanics of solids and fluids around which are grouped practical problems and discussions of the measurements taken by the student.

Text: Millikan's "Mechanics, Molecular Physics and Heat".

A laboratory fee of \$4.00 is charged.

COURSE VI—*Twelve weeks. Ten hours laboratory.*

HEAT—A continuation of Course V, taking up ten exercises in molecular physics and practical heat measurements.

A laboratory fee of \$4.00 is charged.

COURSE VII—*Twelve weeks. Ten hours laboratory.*

ELECTRICITY—This course consists of sixteen exercises in careful electrical measurements with discussion and recitations on the practical questions involved.

Text: Millikan and Mills, "Electricity, Sound and Light".

A laboratory fee of \$4.00 is charged.

COURSE VIII—*Twelve weeks. Ten hours laboratory.*

SOUND AND LIGHT—Five exercises in sound and seven in light are presented in this course. The laboratory work is also correlated with discussions of the theories involved and supplemented with a few class demonstrations.

Text: Same as Course VII.

A laboratory fee of \$4.00 is charged.

COURSE IX—*Twelve weeks. Three hours recitation and lecture.*

KINEMATICS AND DYNAMICS—This course consists of a more extended study of mechanics. The treatment is more mathematical and the laboratory work is more complicated.

Pre-requisite: Analytical Geometry and Calculus.

COURSE X—*Twelve weeks. Three hours recitation and lecture.*

HEAT AND THERMODYNAMICS—This course is a continuation of Course IX, using the same texts and assuming same pre-requisites.

COURSE XI—*Twelve weeks. Three hours recitation and lecture.*

ELECTRICITY AND MAGNETISM—This course consists of electrical measurements with some development of the theory of electrical instruments and wireless telegraphy. Numerous problems.

Pre-requisite: Same as Course IX.

COURSE XII—*Twelve weeks. Three hours recitation and lecture.*

OPTICS—This course consists of the study of geometrical and physical optics, with many problems.

Pre-requisite: Same as Course IX.

CHEMISTRY

This science is always taught in connection with experiments demonstrating the subject under consideration. Aside from the work in the class room, each student is required to work in the laboratory under the direction of a special instructor from one to

several hours each day, the time required depending upon the nature and advancement of the course. The laboratories are fully equipped with all modern appliances and afford an excellent opportunity for carrying on practical work. For further information write for special catalog.

The following general courses are offered, together with special courses in Domestic Science, Pharmacy and Medicine.

COURSE I—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

INORGANIC CHEMISTRY III—This course is a college course in chemistry, consisting of a study of the fundamental theories and laws underlying this science. It should be elected only by mature students or by those who have completed High School Chemistry.

Text: Smith's General College Chemistry. Laboratory, Timmons' Experiments in General Chemistry I.

Pre-requisite: High School Chemistry or equivalent.

A laboratory fee of \$3.00 is charged.

First and third quarters.

COURSE II—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

INORGANIC CHEMISTRY IV—Continuation of Course I. This course consists of a discussion of the metals.

Text: Smith's General College Chemistry. Laboratory, Timmons' Experiments in General Chemistry I.

Pre-requisite: Course I. Second and fourth quarters.

A laboratory fee of \$3.00 is charged.

COURSE III—*Twelve weeks. Three hours.*

CHEMISTRY DRILL—This is purely a drill class, offered to all taking introductory Chemistry. The time is given to practice in writing symbols, formulas, and equations, to the solution of problems and to general quiz work. First quarter.

COURSE IV—*Three weeks. Five hours.*

INORGANIC CHEMISTRY V—This course is devoted to the study of theoretical and elementary physical chemistry.

Text: Newth's Inorganic Chemistry, Part I.

Pre-requisite: Course I. First quarter.

COURSE V—*Twelve weeks. Three hours.*

ARITHMETICAL CHEMISTRY—A course covering practical chemical problems. It accompanies and is essential to the preceding course. No text is required. Problems are arranged by the instructor.

Pre-requisite: Course I. First quarter.

COURSE VI—*Twelve weeks. Five hours.*

INORGANIC CHEMISTRY VI—A resume of Course I, much more detailed and giving especial attention to both the practical and manufacturing application of this portion of chemistry.

Text: Newth's Inorganic, Part II.

Pre-requisite: Course I. Third quarter.

COURSE VII—*Twelve weeks. Five hours.*

INORGANIC CHEMISTRY VII—A study of all the common metals and their compounds, together with a brief survey of rare metals.

Text: Newth's Inorganic, Part III completed.

Pre-requisite: Course I. Second quarter.

COURSE VIII—*Twelve weeks. Five hours.*

ORGANIC CHEMISTRY I—An introduction to organic chemistry, covering the aliphatic series. Experiments suggested by the text and others supplemental thereto are performed by the instructor.

Text: Remsen's Organic Chemistry.

Pre-requisite: Courses I, II and XI or I, IV, VI, VII and XI. Second quarter.

COURSE IX—*Twelve weeks. Five hours.*

ORGANIC CHEMISTRY II—A continuation of Organic I, covering the cyclic series. Experiments by the instructor as in the preceding course.

Text: Remsen's completed.

Pre-requisite: Course VIII. Third quarter.

COURSE X—*Twelve weeks. Three hours.*

INDUSTRIAL CHEMISTRY—Lectures on fuels, waters, fertilizers, explosives, lime and cements. Lecture course, no text required, but references made to Thorp, Sadtler, Rogers and Wagner.

Pre-requisite: Courses I, II and XI. Fourth quarter.

COURSE XI—*Twelve weeks. Ten hours.*

ANALYTICAL CHEMISTRY I—This is a laboratory course in qualitative analysis with lectures and quizzes two hours per week. Particular attention is given to the determination of unknowns.

Text: Timmons' Qualitative Analysis.

Pre-requisite: Courses I and II, or I and VII.

A laboratory fee of \$4.00 is charged. Every quarter.

COURSE XII—*Twelve weeks. Ten hours.*

ANALYTICAL CHEMISTRY II—Gravimetric analysis is made the major throughout this quarter, although advanced qualitative analysis receives some attention. Lectures and quizzes two hours per week.

Text: Newth's Qualitative and Quantitative Analysis.

Pre-requisite: Course XI. Third and fourth quarters.

A laboratory fee of \$4.00 is charged.

COURSE XIII—*Twelve weeks. Five hours.*

VOLUMETRIC ANALYSIS—The determinations made by the student in this course embrace acidmetry and alkalimetry, oxidation and reduction, and volumetric precipitation. The laboratory work is accompanied by lectures and quizzes.

Pre-requisite: Courses I, II and XI, or I, VII and XI.

A laboratory fee of \$3.50 is charged.

First and fourth quarters.

COURSE XIV—*Twelve weeks. Ten hours.*

ADVANCED ANALYSIS—There is presented here first, simple analysis of furnace gas, illuminating gas, and sanitary examination of air; second, a quantitative analysis of cements and common ores of iron, copper, zinc, lead and silver.

Pre-requisite: Courses XII and XIII. First quarter.

A laboratory fee of \$4.00 is charged.

COURSE XV—*Twelve weeks. Five hours.*

PHYSIOLOGICAL CHEMISTRY—This course covers both a qualitative and quantitative examination of urine, analysis of gastric contents and saliva and an examination of milk. Laboratory work interspersed with lectures and quizzes.

Pre-requisite: Courses VIII, XII and XIII. Second quarter.

A laboratory fee of \$2.50 is charged.

COURSE XVI—*Twelve weeks. Five hours.*

WATER ANALYSIS—In this course a complete chemical examination of water is made. It is mainly a laboratory course.

Text: Leffman or Mason.

Pre-requisite: Courses XII and XIII. Fourth quarter.

A laboratory fee of \$2.50 is charged.

COURSE XVII—*Twelve weeks. Five hours.*

ALKALOIDAL ANALYSIS—This is a laboratory course including both qualitative and quantitative work on the chemistry of the alkaloids.

Notes given by the instructor. References, Pictet and Biddle, Allen, Vols. VI and VII and Autenrieth.

Pre-requisite: Courses VIII, XII and XIII. Third quarter.

A laboratory fee of \$3.50 is charged.

COURSE XVIII—*Twelve weeks. Five hours.*

PHARMACEUTICAL TESTING—Many important U. S. P. tests,

and a practical examination of various pharmaceuticals will be made.

Text: United States Pharmacopoeia, together with various references.

Pre-requisite: Courses XII and XIII. Fourth quarter.

A laboratory fee of \$3.50 is charged.

COURSE XIX—*Twelve weeks. Ten hours.*

SYNTHETIC ORGANIC CHEMISTRY—A laboratory course in which a selected list of substances is made, of both the aliphatic and the cyclic series.

Text: Cohen, with Gattermann, and Lassar-Cohn as references.

A laboratory fee of \$7.50 is charged.

Pre-requisite: Courses VIII and IX. Fourth quarter.

COURSE XX—*Twelve weeks. Twenty hours.*

FOOD AND FOOD ANALYSIS—A laboratory course accompanied by lectures. Different varieties of food are considered in some detail, together with a discussion of their adulteration.

The laboratory work includes examination of many classes of food materials.

Text: Leffman and Beam, with Leach as reference.

Pre-requisite: Courses VIII, IX, XII and XIII.

A laboratory fee of \$12.00 is charged. Fourth quarter.

A breakage fee is added to each laboratory fee. This will be returned less individual breakage.

BOTANY

COURSE I—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory and field work.*

This course includes a study of the morphology, evolution and classification of the groups of plants, beginning with the lowest forms. First, third and fourth quarters.

A laboratory fee of \$1.50 is charged.

COURSE II—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory and field work.*

This course includes a study of the morphology, physiology, and ecology of the roots, stems, and leaves of the seed plants.

A laboratory fee of \$1.50 is charged.

Second and fourth quarters.

COURSE III—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory and field work.*

This course includes a study of symbiosis, saprophytic and

carnivorous plants, flowers, seeds, germination, fruits and plant associations. First and fourth quarters.

COURSE IV—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

This course includes the preparation and study of microscopical sections of plant tissues, and the examination of cell products, vegetable foods and drugs by the compound microscope.

A laboratory fee of \$2.50 is charged. Fourth quarter.

COURSE V—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory and field work.*

This course includes a study of absorption, and transfer of raw material, photosynthesis, digestion, assimilation and storage of food; respiration, transpiration, growth and movements of plants. Fourth quarter.

A laboratory fee of \$2.50 is charged.

COURSE VI—*Twelve weeks. Two hours recitation and lecture. Eight hours laboratory and field work.*

This course includes a study of plants in their natural environment, the collection and preservation of illustrative specimens, a special study of trees and the elements of forestry.

Texts and references: Coulter, Barnes and Cowles, Stevens, Chamberlain, McDougall, Strausberger, Campbell, Kerner and Oliver, Sachs, Bailey, Goebel, Vines, Gray, Britton, Ganong, Hough.

A laboratory fee of \$1.50 is charged. Fourth quarter.

ZOOLOGY

COURSE I—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

INTRODUCTION TO ZOOLOGY—Classification of Invertebrate Phyla; Ecology; a discussion of many of the typical representatives of the different phyla studied. Appropriate laboratory work is given. First, third, and fourth quarters.

A laboratory fee of \$1.50 is charged.

Text: Hegner's College Zoology.

COURSE II—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

CHORDATA—Classification and discussion of Phylum Chordata; laboratory work, careful dissection and study of fish, frog, turtle and pigeon. Second and fourth quarters.

A laboratory fee of \$2.00 is charged.

Text: Hegner's College Zoology.

COURSE III—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

COMPARATIVE ANATOMY—A general study of the comparative anatomy of vertebrates. The laboratory work is animal histology, in which the student is taught how to mount, to study, and to identify animal tissues. Third quarter.

Text: Kingsley's Comparative Anatomy of Vertebrates.

A laboratory fee of \$2.50 is charged.

COURSE IV—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

ENTOMOLOGY AND ECONOMIC ZOOLOGY—A classification and discussion of the Insect Orders. Particular attention is given to the economic relation of insects, how they affect cultivated plants and domestic animals and also their relation as disease carriers in respect to man. The student is required to make a collection and a classification of one hundred species of insects. These insects must represent all of the larger orders.

A laboratory fee of \$1.50 is charged. Fourth quarter.

Text: Sanderson and Jackson's Elementary Entomology. Numerous references.

COURSE V—*Twelve weeks. Five hours recitation and lecture.*

GENETICS—Lectures on maturation, fertilization and segmentation are given as introductory work. Variation is discussed in detail, and the laws of heredity are explained and illustrated by numerous problems. The students are required to give reports taken from current magazines and standard works on heredity and evolution. Second and fourth quarters.

COURSE VI—*Twelve weeks. Five hours recitation and lecture.*

EVOLUTION—The history of the Evolution Idea. Its factors and proofs are studied in detail. An attempt is made to show that the evolution view point has entered into all fields of human thought. Third quarter.

Text: Herbert's First Principles of Evolution. Lull's Organic Evolution. Numerous references.

PHYSIOLOGY

COURSE I—*Twelve weeks. Five hours. Two hours laboratory.*

PHYSIOLOGY FOR ADVANCED STUDENTS—This course is designed especially for Pharmacists, Teachers, those taking Domestic Science and others wishing to review the subject. The chemical composition of the body, the tissues, the circulatory, respiratory, di-

gestive and nervous systems are studied with all the detail that the time will allow.

Given second and fourth quarters. A laboratory fee of 50 cents is charged.

COURSE II—*Twelve weeks. Five hours recitation and lecture. Three hours laboratory.*

This course is a continuation of Course I. It consists of a study of the chemical composition of the human body, tissues, osseous system, circulatory system and respiratory system.

First and third quarters.

A laboratory fee of \$1.00 is charged.

COURSE III—*Twelve weeks. Five hours recitation and lecture. Two hours laboratory.*

This course consists of the study of digestion, excretion, nutrition, the nervous system and the special senses. Second and fourth quarters.

A laboratory fee of \$1.00 is charged.

Text: Martin's Human Body. References: Howell, Stewart, Hill, Halliburton, Brubaker.

BACTERIOLOGY

COURSE I—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

This course covers the microscopical examination of drinking water; qualitative and quantitative bacteriological analysis of water and sewage; practice in detecting sewage bacteria in suspected waters; the interpretation of chemical analysis bearing on bacteriological analysis; personal and public hygiene; contagion, pasteurization and sterilization. Fourth quarter.

A laboratory fee of \$3.50 is charged.

GEOLOGY

COURSE I—*Twelve weeks. Five hours recitation and lecture.*

DYNAMICAL, STRUCTURAL AND PHYSIOGRAPHIC GEOLOGY—In these subjects the forces, causes and laws underlying geological phenomena are considered. The destructive and reconstructive processes are carefully studied so that the earth's entire structure can be better understood. First, second and third quarters.

Text: Chamberlain and Salisbury.

COURSE II—*Twelve weeks. Five hours recitation and lecture.*

HISTORICAL GEOLOGY—A careful study is given to the various hypotheses of the earth's origin. The meaning of the geological

succession of plants and animals is emphasized, and a study of the character and distribution of the rocks of each period is given with considerable detail. Third and fourth quarters.

Text: Chamberlain and Salisbury.

COURSE III—*Twelve weeks. Five hours recitation and lecture. Five hours laboratory.*

ECONOMIC GEOLOGY—The classroom work consists of lectures and quizzes on the occurrence and distribution of the various rocks and minerals that are of economical importance. The laboratory work is a course in Blow-pipe analysis. The student is taught how to identify by blow-pipe tests and other means a large number of mineral and rock specimens. Second quarter.

A laboratory fee of \$3.00 is charged.

Texts: Ries' Economic Geology; Bennett's Rocks and Minerals.

COURSE IV—*Twelve weeks. Five hours recitation and lecture.*

ADVANCED DYNAMICAL AND STRUCTURAL GEOLOGY—This course is a continuation of Course I and the classroom work consists of lectures on advanced Dynamical and Structural Geology. A collection of drift boulders of this locality is made and the student is taught how to identify them. The student also learns to interpret geological maps and he will be expected to make reports upon assigned topics. Fourth quarter.

A fee of \$1.00 is charged.

Text: Hobb's Earth Features.

MINERALOGY

COURSE I—*Six weeks. Five hours lecture.*

This course is given especially to pharmacy students. Eighty rocks and mineral specimens are furnished. The student is expected to learn how to identify his specimens by means of the general properties of rocks and minerals and to learn their economic importance. A short discussion of crystallization is also given in this course. Second quarter.

A laboratory fee of \$1.00 is charged.

Text: Bennett's Rocks and Minerals.

ENGLISH

The instruction given in English has three objects: First, proficiency in English composition; second, a general acquaintance with English literature; third, a more minute knowledge of cer-

tain authors whose works illustrate the development, not only of the English language, but also of the English literature.

The courses offered embrace advanced English composition, designed to stimulate original productions; Oratory, embracing exercises in writing and delivering orations, speeches and addresses on given subjects; English literature, embracing an outline of its history and development with a careful study of certain representative authors, both American and English; Old and Middle English and Metrics receive sufficient attention to meet the wants of all ordinary students. Their study is a material aid to all seeking a thorough knowledge of our English language and literature. Etymology and Philology receive sufficient attention to enable a student to understand carefully and thoroughly the formation, growth and development of the English language from its beginning down to the present time.

COURSES I, II and III—*Thirty-six weeks. Five hours.*

FRESHMAN ENGLISH—The purpose of this course is the training of the college freshman to write correctly and clearly about the things he already knows; to use books as a means of enlarging his knowledge, and to increase his power of expression.

One hour a week is devoted to the study of literary types, and of their value and interest. Four hours a week are given to the study of Rhetoric and Composition, and to the writing of themes.

Texts: Slater's Freshman Rhetoric; Woolley's Handbook of Composition; Scott and Zietlin's College Readings in English Prose.

COURSE IV—*Twelve weeks. Three hours.*

ENGLISH COMPOSITION—Pre-requisite: a good knowledge of English grammar and rhetoric. This course will include a review of the formal elements of composition, such as punctuation, capitalization, sentence-structure and paragraph-structure. Daily short themes and longer weekly themes on subjects taken from the student's own observation and experience will be required.

COURSE V—*Twelve weeks. Three hours.*

ENGLISH COMPOSITION—Pre-requisite: Course IV or its equivalent. The various types of composition—exposition, description, narration, argumentation—will be discussed, and theme practice in the different types will be required. Especial attention will be given to short story writing.

COURSE VI—*Twelve weeks. Five hours.*

HISTORY OF AMERICAN LITERATURE—A philosophical and historical study of the development and significance of American Literature.

Text: Richardson's History of American Literature.

COURSE VII—*Twelve weeks. Five hours.*

EMERSON—A detailed study of Emerson's poetry and prose.

COURSE VIII—*Twelve weeks. Five hours.*

SHAKESPEARE—Critical and textual study of four of Shakespeare's best plays. Rolfe's editions recommended.

COURSE IX—*Twelve weeks. Five hours.*

MYTHOLOGY—Myths of Greece and Rome together with those of other nations are studied as to development, interpretation, and relation to literature and art.

COURSE X—*Twelve weeks. Five hours.*

CHAUCER—A detailed textual study of six or more of the Canterbury Tales.

COURSE XI—*Twelve weeks. Five hours.*

MILTON—A general consideration of Milton as a whole with a special study of *Paradise Lost*.

COURSE XII—*Twelve weeks. Five hours.*

CARLYLE AND RUSKIN—A study of representative essays and lectures.

COURSE XIII—*Twelve weeks. Five hours.*

TENNYSON AND WORDSWORTH—A study of representative poems.

COURSES XIV and XV—*Twenty-four weeks. Three hours.*

ANGLO-SAXON AND MIDDLE ENGLISH—24 weeks. Usually 18 weeks are devoted to the study of Anglo-Saxon and 6 weeks to Middle English.

Texts: Bright's Anglo-Saxon Reader and Sweet's Middle English Primer.

COURSE XVI—*Twelve weeks. Three hours.*

HISTORY OF THE ELIZABETHAN DRAMA—Lectures; readings, reports and a thesis by the student.

COURSE XVII—*Twelve weeks. Three hours.*

NINETEENTH CENTURY PROSE AND POETRY—Lectures; reading, reports and a thesis by the student.

COURSE XVIII—*Twelve weeks. Five hours.*

FINISHED DEBATE—This course is the same as Public Speaking

XV. Argument building. Lectures and criticism. Practice in formal debate twice a week.

Text: Ketcham's Argumentation and Debate, Part I.

COURSE XIX—*Twelve weeks. Five hours.*

ADVANCED FORENSICS—Theoretical study of argument. Practice in debate. This is a continuation of Course XVIII, and corresponds to Public Speaking XVII.

Text: Ketcham's Argumentation and Debate, Part II.

COURSE XX—*Twelve weeks. Five hours.*

ADVANCED ENGLISH GRAMMAR—A college course in English Grammar. The growth and development of language; the Indo-European languages; their relation to each other and to modern languages; the Teutonic group of languages, Grimm's Law; the history of the English language.

This course is conducted by means of lectures by the teacher, quizzes, papers and reports. The growth and decay of constructions is shown, especial attention being given to fossil remains of ancient syntax in modern language. Irregular verbs, the subjunctive mode, and the infinite are explained historically. At the end of the quarter some piece of English literature is read with reference to its syntax.

Open to students who have had high school Latin or French.

FRENCH

Students entering upon the study of French are urged to arrange for two years consecutive work in the subject. The first year is necessarily one of close application to the technique, pronunciation and vocabulary; the second year is needed for the student to understand the flesh and color of the language and the country through an appreciation of representative writing and good authors; a further study yields intelligent understanding and sympathy with the culture and intellect of France.

A Department Library of 500 volumes in connection with the class room, also French newspapers and magazines are at the disposition of the student.

Courses I-VI inclusive must be followed consecutively. Courses IVB and VB, should be taken in connection with regular Courses IV and V. Students having completed satisfactorily the first six quarters are eligible to any of Courses VII-XII with certain restrictions mentioned below.

COURSES I, II, III—*Thirty-six weeks. Five hours.*

Chardenal's Complete French Course, revised, lessons 75-101,
Composition, Conversation.

Super, *Historie de France*. (Holt).

Scribe et Legonne, *Bataille de Dames* (American Book Co.)

Daubet, *Le Petit Chose* (Heath).

COURSES IV, V, VI—*Thirty-six weeks. Five hours.*

Meras, *Verba and Verbal Idioms* (Sturgis, Walton and Co.).

Francois *Advanced Composition* (American Book Co.)

Reproduction and composition. Rapid reading of modern
authors. Studies of French life.

Note: The above courses are arranged to accommodate students taking the courses consecutively for six quarters or for those taking three quarters each for two years.

COURSES IVB, VB—*Twenty-four weeks. Three hours.*

Conversation, paraphrasing, reproduction, facility in oral and
written idiomatic expression, letters, themes, reports.

Second and third quarters.

Pattou, *Causeries an Francais* (Heath).

Talbot, *Le Francais et sa Patrie* (Benj. H. Sanborn and Co.)

Moliere en Recits (Ginn and Co.)

Guerlac, *Standard French Authors* (Ginn and Co.)

For the following courses, collateral reading, reports, and
discussions are required.

COURSE VII—*Twelve weeks. Four hours.*

Nineteenth Century Drama and Comedy. Third quarter.

COURSE VIII—*Twelve weeks. Four hours.*

Studies of Moliere and his contemporaries. Fourth quarter.

COURSE IX—*Twelve weeks. Four hours.*

Modern Historical Writers, Novelists, Poets. First quarter.

COURSE X—*Twelve weeks. Three hours.*

Survey of French Literature. Fourth quarter.

Pre-requisite: Courses VII, VIII or IX.

COURSE XI—*Twelve weeks. Three hours.*

The Eighteenth Century and Classicism. First quarter.

COURSE XII—*Twelve weeks. Three hours.*

Critical studies in Romanticism. Third quarter.

Pre-requisite: Courses VII or VIII and X.

SPANISH

A course of two years, thirty-six weeks each, is offered. Classes are organized at the beginning of each school year and at the beginning of any quarter if there is sufficient demand.

FIRST YEAR

Special attention is given to pronunciation and the fundamental principles of the Grammar. Drills and translations, dictation, elementary syntax and orthography, memorizing of short poems and proverbs. The student is taught the customs and ways of conducting business among Spanish speaking people.

SECOND YEAR

Spanish is used entirely as a medium of instruction, so that the ear and tongue, as well as the eye, will be trained. Drills in the writing of Spanish themes and letters, and the writing of stories, read or told in class. A few stories and poems are read as an introduction to Spanish literature.

The following courses are offered:

COURSE I—*Twelve weeks. Five hours.*

The Spanish Teacher—Butler.

Grammar notes given by the instructor. The instruction will include a brief study of all parts of speech, laying emphasis on the verbs "haber, tener, ser and estar" and their uses.

First quarter.

COURSE II—*Twelve weeks. Five hours.*

A Spanish Grammar—Hill and Ford.

Elementary Spanish Reader—Espinosa.

The Spanish Teacher—Butler. Used once a week.

Second quarter.

COURSE III—*Twelve weeks. Five hours.*

A Spanish Grammar, continued.

Elementary Spanish Reader, Completed.

The Spanish Teacher—Butler. Used once a week.

Third quarter.

COURSE IV—*Twelve weeks. Five hours.*

A Spanish Grammar, completed.

El Capitan Veneno—Alarcon, is read.

Practice in reading and writing commercial and familiar letters in Spanish. No text is required. Letters are arranged by the instructor.

First quarter, and fourth quarter if demanded.

COURSE V—*Twelve weeks. Five hours.*

Letter Writing continued. Compositions are written fortnightly. *El Commendador Mendoza*, a novel by Juan Valera, is read. Second quarter.

COURSE VI—*Twelve weeks. Five hours.*

Composition continued. Introduction to the Spanish Drama and poetry.

Texts to be selected. Third quarter.

These courses must be taken in their order. Each course is required for the course immediately following it.

ITALIAN

Classes in Italian are organized at the beginning of the year only.

The courses are especially adapted to music students. The rudiments of the grammar are given, and special stress is placed upon pronunciation and sight reading.

COURSE I—*Twelve weeks. Five hours.*

ROTA'S ITALIAN GRAMMAR (Hossfeld's Method)—Reading, dictation, easy exercises. Auxiliary and regular verbs.

COURSE II—*Twelve weeks. Five hours.*

GRAMMAR—Irregular and defective verbs. Bowen's Italian Reader. Sight reading and translation. Composition.

COURSE III—*Twelve weeks. Five hours.*

GRAMMAR—Polite form of address. Conjunctive pronouns. Wilkins and Altrocchi's Italian Short Stories. Selections. Representatives of modern Italian Literature. Conversation and composition. Singing in Italian once a week.

COURSE IV—*Twelve weeks. Five hours.*

GRAMMAR—Syntax. Manzoni's *I Promessi Sposi*. Selections from Dante's *La Vita Nuova* and other Italian poets. Conversation. Singing in Italian once a week.

LATIN

Students who major in Latin must have credits in all courses marked College Latin. Such students, as well as those who expect to teach Latin, are advised to take a year of Greek, but some other language may be taken. College students who have had two years of some foreign language can obtain college credit for Elementary Latin, Cæsar and Cicero, by making proper arrangements with the teacher, *but these credits cannot be accepted as major credits in Latin.* If a sufficient number of college students demand it, a

special class in Elementary Latin will be organized at the first of the year, doing three quarters' work in two, for which they will receive full College credit. Otherwise, college students will take the regular high school class and receive only two college credits for three quarters' work. The same arrangement can be made for Cæsar. College students in Cicero will take the work with high school students but will do extra work in the preparation of papers and special reports.

COURSE I—*Twelve weeks. Five hours.*

VIRGIL, AENEID, BOOK I—Scansion is taught at the very beginning of the course and every lesson is carefully scanned. Poetical Constructions and the Language of Poetry are distinguished from those of Prose. The life of Virgil, his place in the history of Latin Literature, the literary value of the Aeneid and its mythological setting are discussed. First quarter.

Open to students who have had Cicero III.

COURSE II—*Twelve weeks. Five hours.*

VIRGIL, AENEID, BOOKS II AND III—More rapid translation of the Aeneid; scansion is continued, but more attention is paid to the metrical reading of the Latin Hexameter. Papers and reports by the student on subjects drawn from Roman private life.

Second quarter.

COURSE III—*Twelve weeks. Five hours.*

VIRGIL, AENEID, BOOKS IV, V, VI—The same work as in Course II, but papers and reports by the student will be on subjects drawn from the literary study of the Aeneid itself.

Third quarter.

COURSE VI—*Twelve weeks. Five hours.*

LATIN PROSE COMPOSITION—A drill in the writing of Latin prose, not intended to produce stylistic writers of Latin, but to fix points of syntax more firmly. This course is especially recommended to those who need a review of Latin syntax before continuing College Latin or who need the same thing before beginning to teach Latin. Fourth quarter.

Open to those who have read Cicero.

COURSE V—*Twelve weeks. Five hours.*

SALLUST, CATILINE AND JUGURTHA—Historical prose of the Republic. The writing of Latin, special studies in syntax.

Open to students who have had Virgil.

First quarter (1918-19).

COURSE VI—*Twelve weeks. Five hours.*

CICERO, DE AMICITIA AND TERENCE, PHORMIO—Cicero's delightful essay on Friendship is read with particular reference to the ancient philosophy of life. Terence' play gives a glimpse of Latin comedy. The writing of Latin Prose is continued.

Second quarter (1918-19).

COURSE VII—*Twelve weeks. Five hours.*

HORACE, THE SATIRES AND EPISTLES—Ancient life as Horace saw it; the poet's own life as shown in his writings, his views of the philosophy of life.

Third quarter (1918-19).

COURSE VIII—*Twelve weeks. Five hours.*

TACITUS. THE GERMANIA AND AGRICOLA—An introduction to the prose of the Empire. Papers and reports by the student on political and social conditions under the early emperors.

Fourth quarter (1918-19).

COURSE IX—*Twelve weeks. Five hours.*

LIVY—An introduction to the historical prose of the Augustan period. The writing of Latin, special studies in syntax.

First quarter (1919-20).

COURSE X—*Twelve weeks. Five hours.*

OVID—The rapid reading of Latin Poetry; its metrical reading; the mythology of the Romans.

Open to students who have had Course IX.

Second quarter (1919-20).

COURSE XI—*Twelve weeks. Five hours.*

HORACE, ODES AND EPODES—A special study of the lyric poetry of the Empire; the various meters of Horace and the metrical reading of the Odes. Papers by the student on subjects suggested by the work read.

Third quarter (1919-20).

COURSE XII—*Twelve weeks. Five hours.*

PLINY. SELECTED LETTERS—The prose of the Empire. A special study of social and political conditions and papers by the student on these subjects.

Fourth quarter (1919-20).

GREEK

No major courses in Greek are offered, but students who major in Latin are advised to take a year of Greek, especially if they

intend to become teachers of Latin. The following courses are offered:

COURSE I—*Twelve weeks. Five hours.*

ELEMENTARY GREEK I—Burgess and Bonner, Elementary Greek. Paradigms and syntax, the translation of simple Greek sentences into English and of simple English into Greek.

First quarter.

COURSE II—*Twelve weeks. Five hours.*

ELEMENTARY GREEK II—Burgess and Bonner, Elementary Greek. The work of Course I is continued and selections from the Anabasis are read. Second quarter.

COURSE III—*Twelve weeks. Five hours.*

HOMER. BOOK I—Selections from Book II. Scansion and the metrical reading of Greek. Life and civilization in the Homeric age. Third quarter.

COURSE IV—*Twelve weeks. Five hours.*

HOMER—The work of the second quarter is continued. Lectures by the teacher on the history of Greek literature, especially the development of the drama. Some Greek play may be read in English translation. The object of the course is to arouse a greater interest in Greek literature, even if it must be done by means of translation. Fourth quarter.

HISTORY

COURSE I—*Twelve weeks. Five hours.*

ENGLISH HISTORY—A study of the origin and growth of the English people; the development of their institutional life; their economic life; the Tudor despotism and the Reformation; to 1603. Carefully prepared essays. First and second quarter.

COURSE II—*Twelve weeks. Five hours.*

ENGLISH HISTORY—Emphasis is placed on the Parliamentary struggles under the first two Stuarts; the Cromwellian era; the Revolution of 1688; the Industrial Revolution of the 18th century and the social, economic and political reforms of the 19th century. England's part in the war of 1914. Carefully prepared essays.

Third and fourth quarters.

COURSE III—*Twelve weeks. Five hours.*

ENGLISH CONSTITUTIONAL HISTORY—An intensive study of England's Constitutional life as exemplified by her great Charters, Parliamentary growth and party government. Reports on special topics. Third quarter.

COURSE IV—*Twelve weeks. Five hours.*

THE PERIOD OF THE REFORMATION—A careful survey of the causes. An analysis of the Reformation proper and its peculiar phases in the various countries; its culmination in the Thirty Year War. Prepared essays on special topics. Second quarter.

COURSE V—*Twelve weeks. Five hours.*

THE FRENCH REVOLUTION—A study of the causes, including the study of the despotism of Louis XIV and of his immediate successors. Special emphasis on the economic, political and social phases, including the Reign of Terror. The reaction and the evolution of the Napoleonic era. An interpretation of the historic effects on French and other European institutions. Carefully prepared papers. Third quarter.

COURSE VI—*Twelve weeks. Five hours.*

MODERN EUROPEAN HISTORY, ADVANCED COURSE—A general survey of the development of Institutionalism of Modern European Nations since 1815. The issues of the later revolutions. Development of democratic tendencies; the great inter-European wars and unification of nations. Great enterprises and jealousies during the latter part of the nineteenth and first part of the twentieth centuries, and a survey of the causes of the war of 1914. Essays. Fourth quarter.

COURSE VII—*Twelve weeks. Five hours.*

AMERICAN POLITICS—A survey of the origin and character of the political institutions of the United States. The political parties and their tenets. The issues in relation to the application of party tenets in domestic and foreign affairs. Politics in Slavery, the Rebellion, Reconstruction, the Monroe Doctrine, and the new conception of the relation between the States and the Nation, and of our relation to World Politics. Extensive topical study.

Fourth quarter.

COURSE VIII—*Twelve weeks. Five hours.*

SLAVERY AND RECONSTRUCTION IN THE UNITED STATES—A study of the origin and character and growth of Slavery. Its social and political influences. The issues between the Southern and Northern States as to the relation between the Nation and the States. Secession and the Civil War. The issues and results of the Period of Reconstruction, to 1876. Carefully prepared papers. First quarter.

COURSE IX—*Twelve weeks. Five hours.*

INDUSTRIAL HISTORY OF THE UNITED STATES—A survey of the

industrial life of the Colonial period; the pioneers of the earlier United States. The rise of manufacturing and immigration; the conquering of the West; the industrial corporations; internal and foreign commerce and modern machinery in our industrial life. Collateral reports. First and second quarters.

COURSE X—*Twelve weeks. Five hours.*

DIPLOMATIC HISTORY OF THE UNITED STATES—A brief survey of the elements and the subjects of diplomacy, and a study of some of the leading subjects of our international dealing as a nation. Reports and lectures. Second quarter.

COURSE XI—*Twelve weeks. Five hours.*

THE FRENCH NATION—A study of the origin and rise of the French Monarchy; its struggle with England and other European nations during the Middle Ages; its religious wars and the rise of her despotic regime and its overthrow. Her struggle for democracy and institutional expansion during the nineteenth century. Collateral reports. Second and third quarters.

COURSE XII—*Twelve weeks. Five hours.*

THE SOUTH AMERICAN COUNTRIES—A general survey of the origin and development of the leading countries of the Southern Hemisphere in relation to their political, economic and social life, and their relation to the United States. Lectures and reports. Third or fourth quarter.

Note: The teacher in charge will advise the student with reference to the minor courses and collateral studies.

PHILOSOPHY

COURSE I—*Twelve weeks. Five hours.*

LOGIC—Logic is defined as the science of the Laws of Thought as Thought. The topics discussed are the forms of thought—the Concept, the Judgment, and Reasoning; the Laws of formal thought; the different kinds of reasoning—Deduction, Induction; the Methods of Science—Guess, Hypothesis, Theory, with some attention to the philosophical principles underlying all.

COURSES II and III—*Twenty-four weeks. Five hours.*

POLITICAL ECONOMY—This subject is regarded as the science of Wealth, or of Values, with the three departments, Production, Distribution, and Consumption. The Factors of Production, the Market or Exchange, Rent, Wages, Interest, are carefully con-

sidered; and the concrete application, Socialism, Co-operation, and Tariffs, are discussed.

COURSES IV and V—*Twenty-four weeks. Five hours.*

ETHICS—Ethics is the science of Conduct, and Conduct is that part of human actions in which the interests of others must be reckoned with. Hence, such terms as right, wrong, duty, obligation, moral law, moral standard, must be clearly understood. Ethical theories and the development of the moral side of life are carefully attended to. The concrete, every-day life in its ethical aspects and ideals receives special attention.

SCHOOL OF EDUCATION

The work in this school leads to two degrees, the degree of Bachelor of Pedagogy, and the degree of Bachelor of Arts in Education. To be a regularly enrolled student in this department, the candidate must be a graduate of a commissioned high school, or must have equivalent attainment.

Bachelor of Pedagogy Degree—The student must successfully pursue thirty-six courses, nine of which must be from the School of Education, and twenty-seven must be Academic, in order to receive the Degree of Bachelor of Pedagogy. The time required is nine quarters, which may be divided into three years of three quarters each, or the quarters may be taken consecutively.

The required work for this degree must be distributed as follows: Professional work, 9 credits; English, 3; Language, 4; Science, 6 (no less than 3 credits in each Science); Related Minor, 4, (to be chosen upon consultation with the head of the School); and Electives, 10 credits.

Bachelor of Arts Degree—The student must successfully pursue forty-eight courses, twelve of which must be from the School of Education, and thirty-six must be Academic. The time required is twelve quarters, which may be divided into four years of three quarters, or three years of four quarters each.

The required work is the same as in the College of Arts and Sciences. Major Subject, 12 credits; Language, 6; English, 3; Science, 6; Related Minor, 6; and Electives, 15.

GENERAL COURSES IN EDUCATION

COURSES I, II, III and IV—*Forty-eight weeks. Five hours.*

PSYCHOLOGY—Four courses in Psychology are offered. The subject is studied from the introspective, comparative, objective and experimental viewpoints. The organizing idea of the work is development, and the complex phenomena of the mind are organized around the central idea. The work is both general and educational.

All courses every quarter if demanded.

COURSE V—*Twelve weeks. Five hours.*

PEDAGOGY—One course is offered. It is a study in detail of the institution whose specific purpose is education. This institution, the School, is studied as co-ordinate with the Church, State,

Family, and the Vocation as societies of civilization. As an institution the school is seen to realize the idea which created it, and the method of its realization. Every quarter.

COURSES VI, VII and VIII—*Thirty-six weeks. Five hours.*

METHODOLOGY—Three courses are offered. Current approved methods in the subject in the elementary course are critically studied. The work presupposes a reasonable familiarity with the common school subjects. It is not merely a study of devices. It is a study of the three processes in the act of teaching: (1) the thinking the learner does; (2) the thinking the teacher does; and (3) the handling of devices by both the learner and the teacher.

In General Method the true nature of method is studied. This is followed by the specific application of the laws of method to the elementary school subjects.

Course VI, first and fourth quarters. Course VII, second and fourth quarters. Course VIII, third quarter.

COURSES IX and X—*Twenty-four weeks. Five hours.*

SOCIOLOGY—Two courses are offered. The elements of sociology are pointed out and studied. The individual is studied as a socius; that is, as a companion, a teacher, a learner and a co-worker.

Given in their order beginning first quarter.

COURSES XI—*Twelve weeks. Five hours.*

HISTORY OF EDUCATION—One course is offered. The race's ideals of education as exposed by its best representatives during the progress of civilization are studied. It is not the purpose to discover a standard for imitation, but to learn what has occurred in the educational development of the past that the present and the future may be better understood.

First and third quarters.

COURSES XII and XIII—*Twenty-four weeks. Five hours.*

PHILOSOPHY OF EDUCATION—Two courses are offered. It is the purpose in this subject to set forth the known facts of education and to unify the different aspects. The *biological*, the *physiological*, the *sociological*, the *psychological*, and *philosophical* aspects of education are carefully studied and unified.

Second and third quarters.

COURSES XIV and XV—*Twenty-four weeks. Five hours.*

PEDAGOGY—Two courses are offered in child study. The purpose, scope, history, literature, methods and results of the child

study movement are studied. Genetic psychology is especially emphasized.

Course I, first and third quarters. Course II, second and fourth quarters.

COURSE XVI—*Twelve weeks. Five hours.*

OBSERVATION AND PRACTICE—One course is offered. It consists of the observation of teachers and children at work in city schools and critiques of the work observed. Third quarter.

COURSE XVII—*Twelve weeks. Five hours.*

SCHOOL ADMINISTRATION—One course is offered. It consists of the study of: (1) how to organize school systems, (2) how to manage a system of schools, and (3) how to supervise.

Third and fourth quarters.

COURSE XVIII—*Twelve weeks. Five hours.*

THE AMERICAN HIGH SCHOOL—One course is offered. It consists of the study of the purpose, evolution, condition and needs of the high school; that is, of secondary education.

Second quarter.

COURSES XIX and XX—*Twenty-four weeks. Five hours.*

ETHICS—Ethics is the science of Conduct, and conduct is that part of human actions in which the interests of others must be reckoned with. Hence, such terms as right, wrong, duty, obligation, moral law, moral standard, must be clearly understood. Ethical theories and the development of the moral side of life are carefully attended to. The concrete every-day life in its ethical aspects and ideals receives special attention.

Third and fourth quarters.

COURSE XXI—*Twelve weeks. Five hours.*

RURAL EDUCATION—The status, needs, and administration of rural schools are carefully studied.

Fourth quarter.

CLASSES "A," "B," AND "C" WORK FOR TEACHERS

Valparaiso University is accredited by the State Board of Education for preparing teachers for all the classes, "A," "B" and "C".

CLASS "A" WORK.

The subjects for class "A" teachers are (1) pedagogy, (2) methodology, and (3) psychology, or sociology, or philosophy of education.

CLASS "B" WORK.

The subjects for class "B" teachers are (1) psychology, (2) methodology, and (3) history of education, or philosophy of education, or sociology.

CLASS "C" WORK.

For a class "C" certificate it is necessary that the candidate be a graduate from the Department of Education of the University.

Students are given opportunity to elect other professional subjects in lieu of those indicated above for classes "A" and "B" teachers, in case the student so desires.

Students taking class "A" and class "B" work are earnestly advised to take work in Domestic Science and Manual Training if at all possible. Credits made in these departments will be accepted as equal to those made in the professional courses.

DEPARTMENT OF MANUAL TRAINING

The work of the Manual Training Department is organized for those who desire to prepare themselves to teach the subject and for those who are pursuing some Engineering course. Students from any department of the University may take any of the Manual Training subjects for which they are prepared.

To enter this department, the student must be a graduate of a commissioned high school or must have taken an equivalent course. It is also required that graduates of this department shall perform their duties in the Arts and Crafts Club. This organization meets once a week and discusses Manual Training topics.

A diploma of Manual Training is given upon the completion of this course of study.

DESCRIPTION OF COURSES

The regular work of the Department of Manual Training comprises:

COURSE I—*Twelve weeks. Five hours.*

ELEMENTARY MANUAL TRAINING—This involves work in paper, raffia, clay, pottery and bookbinding. It is applicable especially to the first four grades of public school work.

COURSE II—*Twelve weeks. Five hours.*

SLOYD—This course is applicable especially to grades five and six and consists of elementary hand tool processes and the construction of small and useful articles; e. g., rulers, letter openers, pencil trays, etc.

COURSES III and IV—*Twenty-four weeks. Five hours.*

BENCH I AND BENCH II—These courses are applicable especially to grades seven and eight. Planing, drawing and all hand tool processes, construction of the various kinds of joints, making of useful articles, such as plate racks, footstools, book holders, etc.

COURSES V and VI—*Twenty-four weeks. Five hours.*

BENCH III AND BENCH IV—These courses are applicable to advanced grades and high school. Construction of more difficult projects, such as chairs, tables, etc.

COURSES VII and VIII—*Twenty-four weeks. Five hours.*

CABINET MAKING AND MACHINE WORK IN WOOD—Consisting of the construction of bookcases, desks, china closets, etc. The student makes full use of the various machines, becomes acquainted with their construction, use and care.

COURSES IX and X—*Twenty-four weeks. Five hours.*

TURNING—This course consists of standard exercises after which many useful and interesting articles are turned.

COURSES XI and XII—*Twenty-four weeks. Five hours.*

CARPENTRY—Framing buildings, cutting rafters, shingling, and the various processes of house building.

COURSE XIII—*Twelve weeks. Five hours.*

DESIGNING—Paper proportions, standard dimensions, etc.

COURSE XIV—*Twelve weeks. Five hours.*

FORGE—Drawing, upsetting, welding, tool-making, etc.

COURSES XV and XVI—*Twenty-four weeks. Five hours.*

PATTERN MAKING AND FOUNDRY.

COURSE XVII—*Twelve weeks. Five hours.*

FREE HAND DRAWING.

COURSES XVIII, XIX, XX and XXI—*Forty-eight weeks. Five hours.*

MECHANICAL DRAWING—This course consists of lettering, drawing from models, copying from plates, projections, isometric drawing, detailed and assembled drawing of machines, shading, tinting, stippling, gearing, tracing and blue printing.

COURSE XXII—*Twelve weeks. Five hours.*

DESCRIPTIVE GEOMETRY I—Theoretical problems.

COURSE XXIII—*Twelve weeks. Five hours.*

DESCRIPTIVE GEOMETRY II—Shadows, perspective, and practical structural problems involving Descriptive Geometry.

A fee of \$4.00 per quarter hour for materials used is charged for Course V. For other shop courses \$3.50 per quarter hour is charged.

During the fourth quarter special work will be given in Forge, Machine Work, Practical Carpentry and Concrete.

All courses are given every quarter except Courses I and XIV.

SUGGESTIVE COURSE OF STUDY

FIRST QUARTER

Bench I
Sloyd
Free Hand Drawing
Mechanical Drawing I
Professional Work
Debating

SECOND QUARTER

Bench II
Lathe II
Cabinet Making
Machine Work
Mechanical Drawing II
Professional Work
Debating

THIRD QUARTER

Bench III
Mechanical Drawing III
Descriptive Geometry I
Professional Work
Architectural Drawing

FOURTH QUARTER

Elective, 3 credits
Bench IV
Professional Work
Elementary Manual Training

FIFTH QUARTER

Descriptive Geometry II
Designing
Bookkeeping I
Carpentry I
Pattern Making
Foundry

SIXTH QUARTER

Elective, 3 credits
Forge
Carpentry II

DEPARTMENT OF PRIMARY EDUCATION

This department is organized for those who desire to make a specialty of Primary Teaching in the public schools.

To enter the department, a student must be a graduate of a commissioned high school, or must have completed an equivalent course. It is particularly desirable that the student be able to write a good hand, to draw well, and it is always best to have an elementary knowledge of music.

Six quarters work, four studies each quarter, are required for the completion of this course of study. The subjects pursued

are taken: Ten from the Educational Department; three from the Academic; five from the Vocational Departments, and six are specialties.

The Primary Lectures deal with the nature of Primary Reading, Language, Spelling, Numbers, History, Geography, Music and Calisthenics. A study of the different plans and systems for Primary Teaching is given in detail.

A diploma will be granted to those who have satisfactorily completed the work in this department.

COURSES OF STUDY

FIRST YEAR

FIRST QUARTER

Psychology I
Methodology I
English
Primary Lectures

SECOND QUARTER

Psychology II
Methodology II
English
Primary Lectures

THIRD QUARTER

Child Study I
Elementary Manual Training
Psychology III
Primary Lectures

SECOND YEAR

FIRST QUARTER

Kindergarten Theory
Botany or Zoology
Primary Methods I
Pedagogy
Debating

SECOND QUARTER

Elocution
Child Study II
Methodology III
Music
Debating

THIRD QUARTER

Domestic Science
~~History of Education~~
Observation and Practice
Primary Methods II
Folk Games

SCHOOL OF BIBLE STUDY

In the fall of 1912 Hon. Thomas W. Phillips opened and maintained the Phillips Bible Institute at Canton, Ohio.

Before the Institute was fully started death removed its founder, and so the school with all its burdens and responsibilities passed to the care and keeping of his two sons, Thomas W. Jr. and Ben D. Phillips, of Butler, Pennsylvania.

For three years the Institute was supported at Canton by their unflinching generosity, and considerable endowment in the way of annuities was raised, but no contributions of note aided the two brothers in providing current expenses, though a faculty of five was maintained.

For many reasons, it was found advisable to remove the Institute to Valparaiso. Accordingly, on the eighteenth day of August, 1916, all the property of the Institute was formally transferred to Valparaiso University and the Institute became the School of Bible Study of Valparaiso University.

The School of Bible Study is non-sectarian and is open to all students who are seeking a religious education, either with a view of making it their profession or for its literary value.

The following course of study is based upon an accepted four year high school course. Each study represents five hours a week of class room work for twelve weeks.

Courses in Economics, Education, Geology, Physics, English and Advanced Greek may be substituted for some of the following courses on the recommendation of the Dean of the School of Bible Study.

FIRST YEAR

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER
Freshman English I	Freshman English II	Freshman English III
Zoology I	Zoology II	Zoology V (Genetics)
English History I	English History II	English History III
Life of Christ	Primitive Christianity	Teaching of the N. T. Books

VALPARAISO UNIVERSITY

SECOND YEAR

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER
Psychology I	Psychology II	Psychology of Religion
History American Literature	Mythology	Shakespeare
Slavery and Reconstruction in U. S.	Diplomatic History of U. S.	American Politics
O. T. History I	O. T. History II	Gospel Background

THIRD YEAR

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER
Greek	Greek	Greek
Sociology I	Sociology II	Social Problems
Child Study	The Working Church	Preparation and Delivery of Sermons
O. T. Introduction	First Principles	Problems of Conduct

FOURTH YEAR

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER
History of Religions	Social Message of O. T. Prophets	Social Message of Jesus
Zoology VI (Evolution)	Christian Evidences	Systematic Theology
Principles of Interpretation	Problems of Interpretation	Problems of Religion
Medieval Church	The Reformation	American Christianity

Upon the completion of the above course the degree of A. B. (Ministerial) will be conferred by the University.

Courses for Pastoral Helpers, Pastoral Secretaries, Y. M. C. A., Y. W. C. A. and other Christian activities, leading to certificate, will be arranged for as needed.

DESCRIPTION OF COURSES

All the courses not mentioned here are given in the College of Arts and Sciences and are fully described under their respective heads.

LIFE OF CHRIST—The aim of this course is to enable the student to construct his own Life of Christ in a true historical perspective. To this end the entire Gospel history is studied in a connected way, especial attention being given to the most important political and social features of the New Testament times and to interpretation of critical passages.

CHRISTIANITY IN THE APOSTOLIC AGE—This is a constructive study of Christianity from its inception to the close of the Apostolic Era.

TEACHING OF NEW TESTAMENT BOOKS—A general survey of the field of New Testament literature. Each book will be studied in the light of its purpose, content and authorship.

OLD TESTAMENT HISTORY—A survey study of the history of the Hebrew people as presented in the Old Testament from the period of the conquest and establishment in Canaan to the Macabean struggle and the close of Old Testament history.

GOSPEL BACKGROUND—An opportunity will be given the student to study the Mediterranean world in the light of modern archaeological research. The purpose is to get the political, religious and social viewpoint in order to see what effect these had upon the success of the early preachers of the Gospel. This period is now recognized as being rich in material that throws much light on the teaching and practices of the early church.

OLD TESTAMENT INTRODUCTION—An examination into the origin, growth and purposes of each of the Old Testament books.

SOCIAL MESSAGES OF THE OLD TESTAMENT PROPHETS—The prophets will be studied as Social and Political reformers with a strong religious background. An attempt will be made to answer the question, Did they bring to the people of their times, ideals and principles to be used in the solution of their own problems, which are equally useful to us in the solution of our social and political problems?

SOCIAL MESSAGE OF JESUS TO THE MEN OF TODAY—This course is an effort to get a social and ethical perspective of the life and teaching of Jesus in its present day application.

PRINCIPLES OF INTERPRETATION—Under this head, examples of applying the principles considered in the above course to the authorship, dates, and purposes of some of the New Testament books together with some of the more difficult passages of the Bible will be considered.

CHRISTIAN EVIDENCES—A study of those fundamental facts, arguments and principles of the Christian Religion which are best suited for the day in which we live, to meet current objections and criticisms and to prove Christianity to be divine.

SYSTEMATIC THEOLOGY—A general survey of the doctrine of God and the Christian view of the world; of man and sin and of salvation through Christ.

PROBLEMS OF RELIGION—The work will consist of class discussions, assigned readings and reports on such problems as the

origins of religion and religions, the psychological phases of religion, such as prayer, faith and conversion together with such philosophical questions as creation, miracles, immortality and the problem of evil.

FIRST PRINCIPLES—This will be an attempt to ascertain the teaching of the New Testament on the fundamental of Christian belief and practices.

PSYCHOLOGY OF RELIGION—This is a study of a special subject based on a thorough elementary course in psychology. Psychology I and II will be offered in the School of Education.

CHILD STUDY—This is fundamental to all practical work in the church. When to begin to train the child for religious life and how to train it, will be the purpose of this course.

THE WORKING CHURCH—The organization and work of the various activities of the church in a modern world. This will include the Sunday School, Young People's Societies, Mission Study classes and the general relation to the larger spiritual activities of the community.

PREPARATION AND DELIVERY OF SERMONS—This includes the theory of sermonic composition and criticisms of sermons prepared by the students.

CHURCH HISTORY—Every student of general culture and every one preparing for some special phase of Christian work should be acquainted with the unfolding of Christianity since its establishment. Church History affords the student an opportunity to meet this need.

For further information concerning the work, send for the Bulletin of the School of Bible Study.

SCHOOL OF HOME ECONOMICS

The course in Domestic Economy is planned with reference to the needs of two classes of students: (1) For those who are preparing to teach cooking and sewing, and which leads to a Certificate; (2) For those who wish to enrich their academic course by the study of household arts and sciences, and which leads to the Bachelor's degree.

To obtain the certificate or the degree from this department the candidate must have a high school education or equivalent attainment, and then successfully pursue the work here outlined.

Two years (72 weeks) of College work are required for the Certificate of Associate in Home Economics, and four years (144 weeks) of College work are required for the degree of Bachelor of Science in Home Economics.

The additional requirements for the degree are an extra year in domestic science or art, in either of which the student may specialize if she so desires, and also a year of college electives in the liberal arts.

FIRST YEAR

FIRST QUARTER	Course	Hours
Inorganic Chemistry	1	10
Cooking	1	9
Sewing	1	9
English	1	5
SECOND QUARTER		
Inorganic Chemistry	2	10
Cooking	2	9
Sewing	2	9
English	2	5
THIRD QUARTER		
Analytical Chemistry	3	10
Physiology	1	7
Millinery	3	10
English	3	5

SECOND YEAR

FIRST QUARTER		
Organic Chemistry I.....	8	5
Cooking	3	9
Sewing	4	9
Teaching Domestic Science.....	9	5

	Course	Hours
SECOND QUARTER		
Invalid Cookery and Dietetics.....	4	10
General Sanitation	2	5
Designing	5	10
Household Chemistry	4	10
THIRD QUARTER		
Institutional Cookery	6	10
Household Sanitation	3	3
Laundry and Crocheting.....	6	10
Textiles	7	5

THIRD YEAR

FIRST QUARTER		
Dressmaking	8	10
Institutional Cookery	7	10
Special Problems	8	10
English Composition	4	3
SECOND QUARTER		
Textiles	9	10
Family Cookery	8	10
Political Economy	10	5
Psychology	11	5
THIRD QUARTER		
Applied Design	10	10
Demonstrations and Contest Work.....	5	10
Bacteriology	4	10
Home Nursing	5	2

FOURTH YEAR

FIRST QUARTER		
Analytical Chemistry II.....	5	10
Special Problems	8	10
Electives		
SECOND QUARTER		
The Household	7	5
Electives		
THIRD QUARTER		
The House	6	5
Electives		

DESCRIPTION OF COURSES

COURSE I—*Twelve weeks. Eight hours laboratory and one hour recitation or lecture.*

This course includes a study of the nature and uses of foods,

and changes effected by heat, cold, and fermentation; uses and application of preservatives; canning; jelly-making; carbohydrates; sauces, etc.; starchy vegetables; freshening of green vegetables; cooking of strong flavored vegetables; cooking of mild vegetables. Every quarter.

A laboratory fee of \$5.00 is charged.

COURSE II—*Twelve weeks. Eight hours laboratory and one hour recitation or lecture.*

This course includes the study of sugars, chemical tests, solubility, etc.; sugar cookery; preparation of batters and doughs. Baking powder and soda—composition and use in food combinations. Methods of lightening doughs and batters. Yeast and Bread. Every quarter.

A laboratory fee of \$5.00 is charged.

COURSE III—*Twelve weeks. Eight hours laboratory and one hour recitation or lecture.*

This course includes the study of "fats". Temperatures, composition, value, sources, combination in cookery, uses of vegetable oils, and cooking fats.

Protein—Eggs, milk, meat, cheese.

Serving of meals.

Principles of selection, preparation, and the care and manufacture of foods. Every quarter.

A laboratory fee of \$5.00 is charged.

COURSE IV—*Twelve weeks. Eight hours laboratory and one hour recitation or lecture.*

This course includes the study of applied dietetics. Invalid and institutional dietetics.

A study of the composition and nutritive value of foods.

Diet and dietaries. Second quarter.

A laboratory fee of \$5.00 is charged.

COURSE V—*Twelve weeks. Eight hours laboratory and one hour recitation or lecture.*

This course is a continuation of Course IV, and includes Demonstration, Contest work, Marketing.

Given as demanded.

A laboratory fee of \$5.00 is charged.

COURSE VI—*Twelve weeks. Eight hours laboratory and one hour lecture.*

This course of Institutional Cookery comprises the study of

cooking in large amounts. Planning meals; menus; serving; dietaries; balanced rations; cost of meals.

First and third quarters.

No laboratory fee is charged.

COURSE VII—*Twelve weeks. Eight hours laboratory and one hour lecture.*

This course is a continuation of Course VI.

Third quarter.

No laboratory fee is charged.

COURSE VIII—*Twelve weeks. Eight hours laboratory and one hour lecture.*

This course comprises the preparation and serving of meals for a family of six. Buying. Study of the different forms of service.

Given as demanded.

A laboratory fee of \$5.00 is charged.

SEWING

COURSE I—*Twelve weeks. Eight hours laboratory and one hour lecture.*

This course includes the study of the various stitches, seams, etc., and their application in the making of undergarments. Drafting. Every quarter.

COURSE II—*Twelve weeks. Eight hours laboratory and one hour lecture.*

This course includes the drafting and making of a shirt-waist; matching of plaids; something in silk; kimono. Every quarter.

COURSE III—*Twelve weeks. Eight hours laboratory and one hour lecture.*

This course includes the making of bows, flowers, etc. Frame making, and hat making appropriate to the season.

First and third quarters.

COURSE IV—*Six weeks. Eight hours laboratory and one hour lecture.*

This course includes the making of house dresses, lingerie dresses, waists. Third and fourth quarters.

COURSE V—*Twelve weeks. Ten hours laboratory.*

This course includes simple designs in flat colors, such as borders, rugs, etc.; color harmony; lettering; proportions of the human figure; designs for waists, dresses, hats, etc.; decorating and stenciling. Every quarter.

COURSE VI—*Six weeks. Eight hours laboratory and one hour lecture.*

This course includes practical work in laundry, removal of stains. Lectures. Crocheting of simple lace patterns.

Third and fourth quarters.

COURSE VII—*Twelve weeks. Five hours lecture and recitation.*

This course includes the study of the historical development of the textile industry, climatic conditions, and the manufacture of fabrics; tests.

Third and four quarters.

COURSE VIII—*Twelve weeks. Ten hours laboratory.*

This course includes the study of drafting systems. Designing, drafting and making of silk or wool dresses.

Given as demanded.

COURSE IX—*Twelve weeks. Ten hours laboratory.*

Detection of adulterants in fabrics, experiments in dyeing. Weaving—basketry.

COURSE X—*Twelve weeks. Ten hours laboratory.*

This course includes a study of embroidery for underwear and dresses, table covers, sofa pillows, mats, etc. Tatting, drawn-work, knitting.

Given as demanded.

GENERAL SCIENCE COURSES

COURSE I—*Twelve weeks. Five hours lecture and two hours laboratory.*

PHYSIOLOGY—This course includes a study of Physiology and Personal Hygiene, physical training, diet, conservation of nervous energy.

Second and fourth quarters.

A laboratory fee of 50 cents is charged.

COURSE II—*Twelve weeks. Five hours lecture and recitation.*

HYGIENE AND SANITATION—This course includes a study of the occurrence, distribution, classification, and chemistry of Bacteria and their relation to man. Library work.

First and third quarters.

COURSE III—*Twelve weeks. Three hours lecture and recitation.*

HOUSEHOLD SANITATION—This course includes a study of the dwelling; its construction and furnishing in relation to health prob-

lems. Relation of germ life to water, ice, milk supplies, and to other foods, both uncooked and preserved by various methods.

Reference work. Excursions to dairies, etc.

Given as demanded.

COURSE IV—*Twelve weeks. Five hours lecture. Five hours laboratory.*

BACTERIOLOGY—This course includes studies in morphology, physiology, and reproduction of bacteria, yeasts and molds. Making of culture media, of permanent mounts; exercises in elementary analysis of air, milk and water from different sources.

Fourth quarter.

A laboratory fee of \$3.50 is charged.

COURSE V—*Twelve weeks. Two hours lecture and recitation.*

CARE OF SICK—This course includes a study of the care of the sick, bathing, bed making, and first aid. Given as demanded.

COURSE VI—*Twelve weeks. Five hours lecture and recitation.*

THE HOUSE—A study of the furnishing and management of the house from the artistic, practical, and economic standpoints. Methods of keeping household accounts. The cost of living and the apportionment of the income. Given as demanded.

COURSE VII—*Twelve weeks. Five hours lecture and recitation.*

EVOLUTION OF THE HOUSE AND OF THE FAMILY—A special study of woman's changing economic position and its effect upon the family.

COURSE VIII—*Twelve weeks. Ten hours laboratory or research work.*

SPECIAL PROBLEMS IN DOMESTIC ECONOMY—The work in this course may be along any line connected with the subject according to the preference of the student and will be in charge of the instructor under whom the work chosen would naturally fall. Given as demanded.

COURSE IX—*Twelve weeks. Five hours lecture.*

TEACHING DOMESTIC SCIENCE—Discussion of different types of equipments, of contents of courses in domestic science for various school grades, and of lesson plans. Supplementary reading required. Third and fourth quarters.

COURSE X—*Twelve weeks. Five hours lecture and recitation.*

POLITICAL ECONOMY—This subject is regarded as the science of Wealth, or of Values, with the three departments, Production, Distribution and Consumption. The Factors of Production, the

Market, or Exchange, Rent, Wages, Interest, are considered; Socialism, Co-operation and Tariffs are discussed. Third quarter.

COURSE XI—*Twelve weeks. Five hours lecture and recitation.*

PSYCHOLOGY I—Every quarter.

CHEMISTRY

COURSES I and II—*Twenty-four weeks. Five hours recitation. Five hours laboratory.*

INORGANIC CHEMISTRY III AND IV.

COURSE III—*Twelve weeks. Ten hours laboratory.*

ANALYTICAL CHEMISTRY I—Lectures and Quiz.

COURSE IV—*Twelve weeks. Five hours recitation. Five hours laboratory.*

ELEMENTARY HOUSEHOLD CHEMISTRY—A study of the composition of foods. The detection of adulterants and preservatives. The relation of cooking to the chemical composition of foods. A study of soaps and other materials in common household use.

Third quarter.

A laboratory fee of \$3.50 is charged.

COURSE V—*Twelve weeks. Ten hours laboratory.*

ANALYTICAL CHEMISTRY II—Lectures and Quiz.

ENGLISH

COURSE I—*Twelve weeks. Five hours.*

FRESHMAN ENGLISH—This course includes a review of Punctuation, Diction, Construction of Sentences, and Figures of Speech. Essays, reports and a study of literary types form a part of the work.

COURSE II—*Twelve weeks. Five hours.*

HISTORY OF AMERICAN LITERATURE—ENGLISH VI.

COURSE III—*Twelve weeks. Five hours.*

SHAKESPEARE—ENGLISH VIII.

COURSE IV—*Twelve weeks. Three hours.*

COMPOSITION—ENGLISH IV.

SCHOOL OF MUSIC

The School of Music was organized forty-one years ago. It was the purpose of the founders to establish a school in which students might have all the advantages of the best musical conservatories at an expense within the reach of all. That the hopes of the founders have been realized is shown in the unparalleled growth of this department of the University.

Equipment—The Conservatory occupies a beautiful building devoted exclusively to music. There are fifty-one practice rooms in the building, each containing a piano. This permits each student to have a private practice room certain hours each day. In addition to these, there are ten large studios and special rooms for Harmony. The large and well equipped Recital Hall is well adapted for recital and ensemble work.

Faculty—Many of the teachers are professional soloists of high rank, and all are specialists in their particular work. All have been pupils of the noted masters.

Courses of Study—Five courses of study are given. The first four of these are offered in both instrumental and vocal music. They are: Preparatory, Teacher's Certificate, Graduate, and Post-Graduate (Gold Medal). The fifth course is Public School Music. The time required for the completion of any of these courses of study depends upon the previous preparation, the ability, the talent and the character of the work done by the individual pupil.

Degrees Conferred—A certificate is given upon the completion of the Teacher's Course; a diploma, upon the completion of the Graduate Course; and a Gold Medal, upon the completion of the Post-Graduate Course. A diploma is given in Public School Music.

Progressive Series of Piano Lessons—In addition to its regular courses in Pianoforte, the Conservatory offers two courses in the Progressive Series of Piano Lessons. They are, the High School Course, which covers the elementary and intermediate grades; and a College, or University Course, which includes the advanced and final grades. These courses are elective and may be taken in place of the regular courses if desired. Those who are not working for a degree in music may have high school or college credit in the Academic Department of the University for work done in the Progressive Series.

Public School Music—This course is especially attractive to those who desire to teach music in the public schools. It consists of private lessons in Voice and Piano, Harmony, Sight Reading, History of Music, Notation, Public School Music, and Chorus work. During the fourth quarter a class is given for studying the best methods of presenting the subject to children.

Opera—A feature of the Conservatory is the Department of Opera, which is open to the advanced students of voice. One complete opera is produced each year. The entire cast and chorus are taken from the Conservatory students.

Chorus Work—Excellent chorus work is offered in which all students in the School of Music are requested to take part. In addition there is special training in choir work for those who are specialized in voice only. The Choir furnishes the music for Chapel exercises.

University Band and Orchestra—A University Band and a University Orchestra are maintained during the entire year. They are composed of students from all departments of the University. Their rehearsals occur once a week, thus giving to their members a splendid drill in instrumental music. They give frequent recitals and one public concert each quarter.

Practice and Instruments—All instrumental and voice lessons and all practice rooms are private. The piano used is the Kimball piano, the same as found in the best Conservatories of Music. Instruction is given on almost every musical instrument: Piano, Violin, Cello, Guitar, Mandolin, Cornet, Clarinet, and Trombone.

Demand for Graduates—The result of the superior advantages offered and the thorough work done is that the graduates of the School of Music are sought as Soloists, Directors of Music, Organists, and as teachers in normal schools, colleges and universities.

Special Advantages—All students taking the regular course in this department have access, without additional expense, to all classes in any of the literary departments of the University. This of itself is an advantage not found in any other Conservatory of Music.

Lectures and Recitals—Lectures and recitals by the Faculty or prominent musicians from abroad are given every quarter. A musicale is given every other week by members of the various

classes at which every student of the department is expected to be present.

General Information—Sheet music and music books are for sale to the pupils at wholesale prices. No pupil is permitted to omit lessons or practice hours without sufficient excuse. No deduction is made for temporary or permanent absence from lessons or practice except in cases of illness or when one is unavoidably called away.

For sight reading, classes in ensemble for piano may be organized at any time.

REQUIREMENTS FOR THE COMPLETION OF THE VARIOUS COURSES

DEPARTMENT OF PIANO

PREPARATORY COURSE

Piano, 2 lessons per week, 1 to 3 years.

Harmony, 2 lessons per week, 48 weeks.

Chorus Practice.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

Practice, 3 to 4 hours daily.

TEACHER'S CERTIFICATE COURSE

One Year in Addition to Preparatory Course

Piano, 2 lessons per week.

Harmony, 2 lessons per week, 48 weeks.

Counterpoint, 2 lessons per week, 48 weeks.

Composition, 1 lesson per week, 24 weeks.

Chorus Practice.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

History of Music, 2 lessons per week, 24 weeks.

Appreciation of Music, 2 lessons per week, 24 weeks.

Practice, 3 to 4 hours daily.

Appearance on program and attendance at all recitals.

GRADUATE COURSE

One Year in Addition to Teacher's Certificate Course

Piano, 2 lessons per week.

Harmony, 2 lessons per week, 48 weeks.

Counterpoint, 2 lessons per week, 24 weeks.

Composition, 1 lesson per week, 24 weeks.

History of Music, 2 lessons per week, 24 weeks.
Appreciation of Music, 2 lessons per week, 24 weeks.
Chorus Practice.
One elective study each quarter of twelve weeks.
Debating, 18 weeks.
Practice, 3 to 4 hours daily.
Appearance on program and attendance at all recitals.

GOLD MEDAL COURSE

One Year in Addition to Graduate Course

Piano, 2 lessons per week.
Chorus Practice.
Composition.
One elective study each quarter of twelve weeks.
Debating, 18 weeks.
Practice 3 to 4 hours daily.
Appearance on program and attendance at all recitals.

DEPARTMENT OF PUBLIC SCHOOL MUSIC

FIRST YEAR

Voice, 2 lessons per week, 36 weeks.
Piano, 1 lesson per week, 36 weeks.
Harmony, 2 lessons per week, 24 weeks.
History of Music, 2 lessons per week, 24 weeks.
Appreciation of Music, 2 lessons per week, 24 weeks.
Public School Music Class, 2 lessons per week, 36 weeks.
Chapel Choir and Chorus, 36 weeks.
Child Study, or an elective study each quarter.
Practice with instrument, 2 to 3 hours daily.

SECOND YEAR

Voice, 2 lessons per week, 36 weeks.
Piano, 1 lesson per week, 36 weeks.
Harmony, 2 lessons per week, 36 weeks.
Public School Music Class, 2 lessons per week, 36 weeks.
Appreciation of Music, 2 lessons per week, 24 weeks.
Debating, 18 weeks.
Chapel Choir and Chorus, 36 weeks.
Psychology, or an elective study each quarter.
Special course in Public School Music during fourth quarter.
Practice with instrument, 2 to 3 hours daily.

DEPARTMENT OF VOICE
PREPARATORY COURSE

Voice, 2 lessons per week, 1 to 2 years.
Harmony, 2 lessons per week, 48 weeks.
Choir and Chorus Practice, 48 weeks.
Practice with instrument, 1 to 3 hours daily.
One elective study each quarter of twelve weeks.
Debating, 18 weeks.
Appearance on program and attendance at all recitals.

TEACHER'S CERTIFICATE COURSE

One Year in Addition to Preparatory Course

Voice, 2 lessons per week.
Spanish, Italian or French. First year's work.
Harmony, 2 lessons per week, 48 weeks.
Counterpoint, 2 lessons per week, 24 weeks.
Composition, 1 lesson per week, 24 weeks.
Choir and Chorus, 48 weeks.
History of Music, 2 lessons per week, 24 weeks.
Appreciation of Music, 2 lessons per week, 24 weeks.
Debating, 18 weeks.
Practice with instrument, 1 to 3 hours daily.
Appearance on program and attendance at all recitals.

GRADUATE COURSE

One Year in Addition to Teacher's Certificate Course

Voice, 2 lessons per week.
Spanish, Italian or French. Second year's work.
Harmony, 2 lessons per week, 48 weeks.
Counterpoint, 2 lessons per week, 24 weeks.
Composition, 1 lesson per week, 48 weeks.
History of Music, 2 lessons per week, 24 weeks.
Appreciation of Music, 2 lessons per week, 24 weeks.
Debating, 18 weeks.
Practice with instrument, 1 to 3 hours daily.
Choir and Chorus Practice, 48 weeks.
Appearance on program and attendance at all recitals.

GOLD MEDAL COURSE

One Year in Addition to Graduate Course

Voice, 2 lessons per week.
Choir and Chorus, the entire year.

Italian.

Composition.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

Practice with instrument, 1 to 3 hours daily.

Appearance on program and attendance at all recitals.

DEPARTMENT OF VIOLIN, VIOLA AND CELLO

PREPARATORY COURSE

Violin, Viola, or Cello, 2 lessons per week, 1 to 3 years.

Harmony, 2 lessons per week, 48 weeks.

Orchestra and Chorus practice, 48 weeks.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

Practice, 3 to 4 hours daily.

Appearance on program and attendance at all recitals.

TEACHER'S CERTIFICATE COURSE

One Year in Addition to Preparatory Course

Violin, Viola, or Cello, 2 lessons per week.

Harmony, 2 lessons per week, 48 weeks.

Counterpoint, 2 lessons per week, 24 weeks.

Composition, 1 lesson per week, 24 weeks.

Appreciation of Music, 2 lessons per week, 48 weeks.

Orchestra and Chorus, 48 weeks.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

History of Music, 2 lessons per week, 24 weeks.

Practice, 3 to 4 hours daily.

Appearance on program and attendance at all recitals.

GRADUATE COURSE

One Year in Addition to Teacher's Certificate Course

Violin, Viola, or Cello, 2 lessons per week.

Harmony, 2 lessons per week, 48 weeks.

Counterpoint, 2 lessons per week, 24 weeks.

Composition, 1 lesson per week, 24 weeks.

Appreciation of Music, 2 lessons per week, 24 weeks.

History of Music, 2 lessons per week, 24 weeks.

Orchestra and Chorus practice the entire year.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

Practice, 3 to 4 hours daily.

Appearance on program and attendance at all recitals.

GOLD MEDAL COURSE

One Year in Addition to Graduate Course

Violin, Viola, or Cello, 2 lessons per week.

Orchestra work the entire year.

Composition.

One elective study each quarter of twelve weeks.

Debating, 18 weeks.

Practice, 3 to 4 hours daily.

Appearance on program and attendance at all recitals.

DEPARTMENT OF GUITAR, MANDOLIN AND BANJO

The requirements in this department in the various courses of study are the same as in the Department of Piano, excepting the use of the different instruments.

It must be remembered that no course of study can be completed without the required number of lessons for that particular year; that is, a course in Voice, Piano, Violin, Guitar, etc., cannot be completed without taking two lessons per week during the entire year.

Expenses—A quarter's work in music consists of 22 piano or 22 vocal lessons, or 11 piano and 11 vocal lessons, 22 harmony lessons, and 3 practice hours every day. The expense of this is \$36.00. If the student desires to take 22 piano and 22 vocal lessons then the expense is \$58.00 per quarter. Without additional expense the student is admitted to all the work in the literary department of the University, and is expected to take at least one subject in this department every quarter. Those who prefer to take additional work in music may do so at the rate of \$1 per lesson and \$2.50 for each practice hour per quarter.

For the completion of the full course in Music, the following additional subjects are required: History of Music, \$3 per quarter; Composition, \$6 per quarter; Counterpoint, \$6 per quarter; Appreciation of Music, \$3 per quarter; Progressive Series, \$6 per quarter.

For those taking the Public School Music Course of study, the expense, if paid in advance, for the Junior year is \$155.00. For the Senior year the expense, if paid in advance, is \$160.00.

The expense for those taking the full course in Music, if paid

in advance for the year of forty-eight weeks, is \$165. This includes 88 piano or vocal lessons, 88 harmony lessons, 3 practice hours daily, history of music, harmonic analysis, composition, counterpoint, musical appreciation. The expense for those taking the full course in both piano and voice, if paid in advance for the year, is \$254.00.

For further information address,

SCHOOL OF MUSIC, VALPARAISO UNIVERSITY,

Valparaiso, Indiana

SCHOOL OF FINE ART

The University offers a full course of instruction in Academic Drawing and Painting, which is divided into four sections, as follows:

I. **ELEMENTARY**—Chiefly early charcoal practice from antique fragments in outline and general light and shade, together with practice from blocks and familiar objects.

II. **INTERMEDIATE**—Same as Elementary only more advanced, more important outlines. Still life in monochrome and color.

III. **ANTIQUE**—Heads and figures from cast in full light and shade. Still life in color.

IV—**LIFE**—Portrait and figure. Composition and landscape. Any medium. From time to time the best drawings are retained and are put upon the wall at the end of the month and recorded as Honorable Mention.

DIPLOMA COURSE

A diploma is conferred upon students who have held the rank of "Life Students" for two years and who are graduates of a commissioned high school or who have taken an equivalent course. Special students may take any work they may select and for which they are fitted.

All regular Art students are required to take one study each quarter from the academic department of the University. Graduates must complete work in the following subjects:

ANTIQUE—Shaded head. Full figure in outline.

LIFE—Shaded head in charcoal.

Shaded figure in charcoal.

Head in oil, water color, or pastel.

Figure in oil, water color, or pastel.

STILL LIFE—Two studies, oil, water color, or pastel.

NATURE—Landscape, oil, water color, or pastel.

COMPOSITION—Oil, water color, or pastel.

PERSPECTIVE—Drawing and examination.

SKETCH CLASS—The students themselves maintain a sketch class, meeting every day, in which they pose their own models and use any medium desired.

DESIGN AND COMPOSITION—Instruction is given in the fundamental principles of construction, decorative and pictorial art. Students work out original designs in space and line composition, showing proper distribution of light and shade and harmonious schemes of color.

HISTORY OF ART—*Ninety-six weeks. Five hours.*

LITERATURE—*Forty-eight weeks. Five hours.*

BOTANY—*Twenty-four weeks. Five hours.*

PHYSIOLOGY AND ARTISTIC ANATOMY—*Forty-eight weeks. Five hours.*

ELECTIVE STUDIES—*Seventy-two weeks. Five hours.*

FIRST YEAR

FIRST QUARTER (12 weeks)

1. Charcoal
2. Freehand Drawing I
3. Sketch from Life
4. Design and Composition
5. History of Art I
6. Mythology

THIRD QUARTER (12 weeks)

1. Charcoal
2. Color Work
3. Sketch from Life
4. Design and Composition
5. History of Art II
6. Literature

SECOND QUARTER (12 weeks)

1. Charcoal
2. Freehand Drawing II
3. Sketch from Life.
4. Design and Composition
5. History of Art II
6. Literature

FOURTH QUARTER (12 weeks)

1. Charcoal
2. Color Work
3. Sketch from Life
4. Design and Composition
5. History of Art IV
6. Literature

SECOND YEAR

FIRST QUARTER (12 weeks)

1. Charcoal from Life
2. Color Work
3. Sketch from Life
4. Design and Composition
5. History of Art V
6. Physiology I

THIRD QUARTER (12 weeks)

1. Charcoal from Life
2. Color Work
3. Sketch from Life
4. Design and Composition
5. History of Art VII
6. Physiology III

SECOND QUARTER (12 weeks)

1. Charcoal from Life
2. Color Work
3. Sketch from Life
4. Design and Composition
5. History of Art VI
6. Physiology II

FOURTH QUARTER (12 weeks)

1. Charcoal from Life
2. Color Work from Nature
3. Sketch from Life
4. Design and Composition
5. History of Art VIII
6. Artistic Anatomy II

THIRD YEAR

FIRST QUARTER (12 weeks)

1. Charcoal or Color from Life
2. Color Work from Nature
3. Sketch in Color from Life
4. Original Design and Composition
5. Botany I
6. Elective Study

SECOND QUARTER (12 weeks)

1. Water Color or Oil from Life
2. Water Color or Oil from Still Life
3. Sketch from Life in Color
4. Original Design and Composition
5. Botany II
6. Elective Study

THIRD QUARTER (12 weeks)

1. Water Color or Oil from Life
2. Water Color or Oil from Still Life
3. Sketch from Life in Color
4. Original Design and Composition
5. Elective study twenty-four weeks

FOURTH QUARTER (12 weeks)

1. Water Color or Oil from Life
2. Water Color or Oil from Still Life
3. Sketch from Life in Color
4. Original Design and Composition
5. Elective Studies twenty-four weeks.

PUBLIC SCHOOL DRAWING COURSE

The object of the Public School Drawing Course is to qualify graduates to act as teachers of drawing or supervisors of art education in the public schools.

This course extends through a period of ninety-six weeks. The candidate, in order to obtain the diploma, must be a graduate from a commissioned High School or must have equivalent attainment prior to entering this course of study.

FIRST YEAR

FIRST QUARTER (12 weeks)

1. Psychology
2. Charcoal
3. Freehand Drawing I
4. Mechanical Drawing I
5. Theory and Practice in first and second grade work
6. Sketch from Life
7. Design and Composition
8. History of Art I

SECOND QUARTER (12 weeks)

1. Psychology
2. Charcoal
3. Freehand Drawing II
4. Mechanical Drawing II
5. Theory and Practice in third grade work
6. Sketch from Life
7. Design and Composition
8. History of Art II

THIRD QUARTER (12 weeks)

1. Pedagogy
2. Charcoal
3. Water Color
4. Theory and practice in fourth grade work
5. Sketch from Life
6. Design and Composition
7. History of Art III

FOURTH QUARTER (12 weeks)

1. History of Education
2. Charcoal and Sketches from Out Door
3. Water Color from Still Life and Nature
4. Elementary Manual Training I
5. Theory and Practice in fifth grade work
6. Sketch from Life
7. Design and Composition
8. History of Art IV

SECOND YEAR

FIRST QUARTER (12 weeks)

1. Mythology
2. Charcoal from Life
3. Water Color
4. Theory and Practice in sixth grade work
5. Design and Composition
6. History of Art V
7. Sketch from Life

THIRD QUARTER (12 weeks)

1. Botany
2. Charcoal from Life
3. Color Work from Still Life
4. Theory and Practice in eighth grade work
5. Design and Composition
6. Sketch from Life
7. History of Art VII

SECOND QUARTER (12 weeks)

1. Literature
2. Charcoal from Life
3. Water Color
4. Theory and Practice in seventh grade work
5. Sketch from Life
6. History of Art VI
7. Design and Composition

FOURTH QUARTER (12 weeks)

1. Bookbinding and Clay Modeling
2. Color from Life and Nature
3. Theory and Practice in High School Drawing
4. Design and Composition
5. Sketch from Life
6. History of Art VIII

CHINA PAINTING

The object of the China Painting Course is to qualify graduates to act as teachers of China Painting in colleges, universities, or private schools.

This instruction in Ceramic Art covers processes and materials, freehand drawing, color and the practical application of design to ceramics.

Students entering this class will receive a thorough course in application of suitable designs to the well known ceramic shapes.

The study of design includes the study of organic ornament, geometric and conventionalized, and the artistic use of colors.

FIRST YEAR

FIRST QUARTER (12 weeks)	THIRD QUARTER (12 weeks)
Charcoal	Charcoal
Freehand Drawing I	Water Color
China Painting	China Painting
Sketching from Life	Sketching from Life
History of Art I	History of Art III
	FOURTH QUARTER (12 weeks)
SECOND QUARTER (12 weeks)	Water Color and Conventionalization
Charcoal	Abstract Design
Mechanical Drawing	China Painting
China Painting	Sketching from Life
Sketching from Life	History of Art IV
History of Art II	Botany

SECOND YEAR

FIRST QUARTER (12 weeks)	THIRD QUARTER (12 weeks)
Water Color and Conventionalization	Water Color and Conventionalization
Abstract Design	Abstract Design
China Painting	China Painting
Sketching from Life	Sketching from Life
History of Design and Research	History of Design and Research
History of Art V	History of Art VII
SECOND QUARTER (12 weeks)	FOURTH QUARTER (12 weeks)
Water Color and Conventionalization	Water Color and Conventionalization
Abstract Design	Abstract Design
China Painting	China Painting
Sketching from Life	Sketching from Life
History of Design and Research	History of Design and Research
History of Art VI	History of Art VIII

Expense—The tuition in the regular department of Fine Art is \$24.00 per quarter of twelve weeks, or \$90.00 per year of forty-eight weeks if paid in advance. For the course in China Painting the tuition is \$30.00 per quarter of twelve weeks or \$110.00 per year of forty-eight weeks if paid in advance.

Students not registered in the department of Fine Art may avail themselves of the advantages of China Painting at the rate of \$12.00 per quarter for two hours each day.

SCHOOL OF PUBLIC SPEAKING

The aim of this School is four-fold:

(1) To develop in the student a good serviceable, speaking voice and acquaint him with the elements of vocal expression and the fundamental principles of common reading

(2) To give a practical experience in all the forms of public speaking.

(3) To acquaint the student with the principles and practice of interpretative and dramatic reading, impersonation, acting, and the various forms of professional work in the lyceum and on the stage.

(4) To give scientific and critical training to teachers.

The pre-requisite for work in this School leading to a graduate or post-graduate degree is the usual University qualifications. Students unable to fulfill these requirements, however, may enter certain classes and be conditioned until by future work the conditions are removed. Special students or those not working for a degree may enter any class for which they show themselves qualified.

For the accommodation of students who are entering solely for the purpose of preparing for the lyceum or the stage, and who have no desire for a degree, a special one year course is offered. This course is explained in detail in the special bulletin of the School of Public Speaking.

Upon obtaining the consent of the Dean, students may in extreme cases make up certain courses through private lessons, twelve (12) lessons being equivalent to one quarter's work in class.

All students working for the degree in the department are required to take in the Freshman year one quarter of private lessons (12 lessons at an extra cost of \$1.00 per lesson.) These lessons may be taken any quarter which is most convenient for the student, but when once begun they should be taken regularly throughout the quarter. To take part in one quarter and part in another is unsatisfactory to both student and teacher.

Students who have had the first twelve lessons (except students working for a certificate in the department) may take as many or as few lessons as they like in a quarter.

All students expecting to graduate in the department are re-

quired to take General Elocution and Physical Culture. No advance credit in these courses will be given.

Under no circumstances shall a certificate be granted for less than one year's resident work at the University. Students who have met the requirements in all except Public Speaking may, by following a specified plan, take the work for the graduate degree in forty-eight weeks and for the post-graduate degree in seventy-two weeks.

REQUIREMENTS FOR THE BACHELOR OF ORATORY DEGREE

FRESHMAN YEAR

PUBLIC SPEAKING

Courses I, II, III, V, VI, VII, VIII, IX and XX (1).

FRESHMAN ENGLISH

Courses I, II and III.

JUNIOR YEAR

PUBLIC SPEAKING

Courses IV, X, XI, XII, XIII, XV and XX (2).

PSYCHOLOGY

Courses I, II and III.

JUNIOR ENGLISH

Courses VII, VIII and IX.

SENIOR YEAR

PUBLIC SPEAKING

Courses XIV, XVI, XVII, XVIII, XX(3) and XXI.

SENIOR ENGLISH

Courses XI, XII and XIII.

HISTORY

Courses I or IV and II or V.

ELECTIVE

One course in Science, Mathematics, Language or Education.

REQUIREMENTS FOR THE MASTER OF ORATORY DEGREE

POST-GRADUATE YEAR

PUBLIC SPEAKING

Courses XIX, XX(4), XXII, XXIV, XXV, XXVI and XXVII.

HIGHER ENGLISH

Courses XIV, XV and XVI.

MUSIC

One quarter of Private Voice Lessons.

FRENCH

Two quarters' work.

ELECTIVE

Two courses.

PRELIMINARY COURSES

- I. GENERAL ELOCUTION. (*Freshman Course*). *Twelve weeks. Five hours.*

The fundamental principles for good reading and speaking. Instruction is given in the proper management of the breath; the best method of developing a good, full, resonant voice; the most advanced principles of English phonation and the theory and practice of the vocal elements of expression. Reading and recitation of illustrative extracts.

Text—Houghton's "Elements of Public Speaking".

- II. FRESHMAN PRIVATE LESSONS. *Twelve weeks. One-half hour.*

Individual drill is given in voice placement and general development. Practice on representative selections and individual criticisms.

Extra tuition \$12.00. Required during the Freshman year.

- III. PHYSICAL CULTURE AND VOICE. (*Freshman*). *Thirty-six weeks. Five hours.*

(1) In the first quarter's work, three hours per week are given to the fundamental bodily exercises that give poise and grace of movement and two hours a week are given to voice building.

(2) The second quarter's work gives a broader conception and introduces the beginnings of pantomime together with a more advanced practice in voice production.

(3) In the third quarter, the physical work has developed into artistic pantomime, interpretive dancing and all the higher forms of bodily expression, while the voice work is applied to daily practice in readings requiring all the various emotional changes in voice.

Required of all Freshman in the department.

PUBLIC SPEAKING

- V. PUBLIC ADDRESS. (*Freshman*). *Twelve weeks. Five hours.*
Addresses for all occasions delivered. Declamation and

criticism. Platform etiquette. Speech building. Extemporaneous speaking. Original addresses.

Text—Winans' "Public Speaking".

VII. ADVANCED PUBLIC ADDRESS. (*Freshman*). *Twelve weeks. Five hours.*

More advanced forms of address. Persuasive speeches under various conditions. Salesmanship. Promotion addresses. Impromptu addresses.

IX. PARLIAMENTARY LAW PRACTICE. (*Freshman*). *Twelve weeks. Five hours.*

During the first two weeks drill is given in vocabulary building. The remainder of the quarter is devoted to floor debates conducted in accordance with strict parliamentary rules. Each student as a member of the class assembly presents bills, engages in the discussions and acts occasionally as chairman.

Text—Robert's "Rules of Order".

XI. VOCATIONAL ADDRESS. (*Junior*). *Twelve weeks. Five hours.*

Lecture building and delivery. Sermonizing. Hymn and Bible reading. Short briefs for argument prepared and delivered. Legal questions and cases pleaded. Speeches under adverse conditions. Political speeches.

XIII. FINISHED DEBATE. (*Junior*). *Twelve weeks. Five hours.*

Argument building. Lectures and criticism by the instructor. Three hours a week for text study and two hours a week for actual practice in debate. Written briefs and arguments. This course is the same as English XVIII.

Text—O'Neill, Laycock and Scale's "Argument and Debate".

XV. ADVANCED FORENSICS. (*Junior*). *Twelve weeks. Five hours.*

A more advanced study of the principles of Argumentation. Detailed study of the logic and argument, dealing with fallacies and the different types of inductive and deductive reasoning as applied to formal debate.

XVII. NORMAL COURSE. (*Senior*). *Thirty-six weeks. Five hours.*

(1) Scientific study of Elocution including a systematic criteria for all forms of speech. A study of methods in teaching elocution and reading.

Text—Fulton and Trueblood's "Practical Elocution".

(2) The second quarter's work takes up the synthetic rather than the analytic method of teaching reading.

Text—Clark's "How to Teach Reading".

(3) The third quarter is wholly given over to practice teaching in Public Speaking and Interpretation in Acting and Dramatic Reading.

XIX. SEMINAR COURSE IN RESEARCH AND ORATORY. (*Post-Graduate*). *Twelve weeks. Five hours.*

A study of literature for adaptation to public recitals. The writing and delivery of original orations. Criticisms.

Text—Shurter's "Rhetoric of Oratory".

XXI. RECITAL. (*Senior*).

The presentation of a miscellaneous program not less than one hour in length upon one evening in the final quarter of the Senior year. Open to the public. Not less than four hours a week constant practice on the program to be presented is required of each graduating senior for twelve weeks prior to the recital.

XXIII. SPECIAL PRIVATE LESSONS. *Twelve weeks. One-half hour.*

Courses in special lines of work, such as Motion Picture Posing; Stage Dancing; Character personation in costumes for the Lyceum or the Stage, and Oratory for preachers, oratorical contestants and the everyday professions which require practical public speaking are offered through these Special Lessons. Three quarters of these lessons are offered during the two Lyceum courses. Other regular courses may be substituted by the Special Lessons.

Extra tuition \$12.00 per quarter.

XXV. STAGING OF PLAY. (*Post-Graduate*).

Every candidate for the M. O. degree is required to stage a short play near the end of the post-graduate year. The play must be not less than forty minutes in length and must have been rehearsed at least once a week for twelve weeks in a two hour rehearsal.

XXVII. GRADUATE RECITAL. (*Post-Graduate*).

The presentation of a full evening's reading of a Play. This is to be given in the final quarter of the Post-Graduate year and is open to the public. At least four hours a week constant practice for twelve weeks prior to the recital is required.

DRAMATIC ART

IV. JUNIOR PRIVATE LESSONS. *Twenty-four weeks. One-half hour.*

These lessons are to be taken any two quarters in the Junior year as supplementary courses to the Dramatic Reading. Individual suggestions are given for the selections subsequently delivered in the Dramatic Reading.

Extra tuition \$24.00.

VI. ANALYSIS OF THE PRINTED PAGE. (*Freshman*). *Twelve weeks. Five hours.*

A study in literary analysis. Interpretation of difficult passages in literature. Effort is made to acquire a quick and comprehensive understanding of difficult sentence structure as it first presents itself to the eye. Group Sequence. Values. Denotation. Connotation.

Text—Clark's "Interpretation of the Printed Page".

VIII. INTERPRETATION. (*Freshman*). *Twelve weeks. Five hours.*

A study of English and American literature, both poetry and prose, from the standpoint of vocal interpretation.

X. DRAMATIC READING. (*Junior*). *Twenty-four weeks. Five hours.*

The presentation of memorized selections for criticism by the instructor and the class. A study of Personation, Impersonative Reading, Interpretive Reading and their various sub-forms. Six selections of specified length and character are delivered each of the two quarters. A study of literal pantomime.

XII. ADVANCED DRAMATIC READING. (*Junior*). *Twelve weeks. Five hours.*

The delivery of weekly memorized selections to comprise a literary program for a full evening. A quarter's work consists of twelve selections of specified length and character. A study of suggestive pantomime. Lectures and criticism. An additional quarter is required of the Two-Year Lyceum students.

XIV. STORY-TELLING. (*Senior*). *Twelve weeks. Five hours.*

This course is especially helpful for students who are preparing for Sunday School or Social Settlement work. In these particular fields there is a great demand for professional story-tellers and this course aims to acquaint the student with

the various forms of story-telling in their relation to various types of audiences. Daily practice is given in the reproduction of Bible stories, fables, fairy tales, folk-lore and stories gleaned from standard periodicals. Original stories. Impromptu stories. Kindergarten, Primary and Grade teachers find this course adapted to their needs.

XVI. PLAY READING. (*Senior*). *Twenty-four weeks. Five hours.*

The study and delivery of a modern play or complete cutting from an approved novel during each of the two quarters. These plays are not completely memorized, but are presented with the assistance of the book and desk. More accurate attention is given to suggestion and to the imaginative presentation of pictures and moods.

XVIII. SENIOR PRIVATE LESSONS. *Twenty-four weeks. One-half hour.*

These lessons are to be taken any two quarters in the Senior year as supplementary courses to the Play Reading. Personal criticisms and suggestions are given relative to the rendering of the more difficult forms of dramatic literature to be subsequently delivered in the Play Reading class.

Extra tuition \$24.00.

XX. ACTING AND MAKE-UP. *Forty weeks. Two hours.*

(1) FIRST QUARTER. (*Freshman*). *Ten weeks. Two hours.*

This course is given through private classes admitting but six students to each class. Students are cast for a playlet and are drilled in the fundamentals of stage technique, the principles of make-up, costuming, etc. In this first quarter the student is taught how to handle himself while in dialog and action.

(2) SECOND QUARTER. (*Junior*). *Ten weeks. Two hours.*

Through private classes of six, the student is rehearsed in an advanced type of play and is taught how to handle others as well as himself while in dialog and action. More technical characterization in costume and make-up is offered. Stage business is more complex.

(3) THIRD QUARTER. (*Senior*). *Ten weeks. Two hours.*

Shakespearean scenes are studied from the standpoint of stage technique. Six people in each private class are drilled.

(4) FOURTH QUARTER. (*Post-Graduate*). *Ten weeks. Two hours.*

The Browning play is rehearsed in private classes of six. The highly idealistic form of acting is here introduced.

The extra tuition fee for each quarter's private class is \$10.00 per student.

XXII. DRAMA. (*Post-Graduate*). *Thirty-six weeks. Five hours.*

The staging of one play each quarter. Fall quarter, modern comedy; winter, classic comedy; classic drama, spring quarter. The technical study of the staging of plays. The study of the Appreciation of the Drama.

Text—Caffin's "Appreciation of the Drama".

XXIV. ADVANCED PLAY READING. (*Post-Graduate*). *Twenty-four weeks. Five hours.*

The study and delivery of a Shakespearean play as a Reading. The highest type of artistic presentation is striven for. Book and desk are used.

XXVI. GRADUATE PRIVATE LESSONS. *Twenty-four weeks. One-half hour.*

Personal criticisms given during the preparation for the public readings. Final counsel and general review of all types of rendition.

Extra tuition \$24.00.

XXVIII. CLASS PRIVATE. *Ten weeks. Two hours.*

Private courses admitting six students for study of some particular phase of work not directly treated in the regular courses. These courses are frequently elected by students wishing to substitute for a course not offered at that particular time.

Extra tuition fee \$10.00.

PREPARATORY COURSES

A. ORTHOEPEY. (*Preparatory or High School*). *Twelve weeks. Five hours.*

This class is designed for students who are in need of daily drill in articulation, pronounciation and the mechanical processes of speech production.

Text—Irish's "Orthoepey".

B. SIGHT READING. (*Preparatory or High School*). *Twelve weeks. Five hours.*

Designed for students who have satisfactorily completed Course A.

Text—Bogarte's "Reader".

SCHOOL OF ENGINEERING

The School of Engineering is composed of the Civil, Architectural, Electrical, Mechanical, and Chemical branches. The first one only is fully developed, the others are carried at present through the first year only.

The object of the Civil Engineering course is to provide such training in the theory, and such practice in the field, shop, laboratory and drawing room, as to fit the student to undertake the exacting duties of the modern civil engineer.

Among these subjects are Chemistry and Bacteriology, which are very important in sanitary engineering and water supply, and are investigated to a considerable length. The courses in Railway Engineering, Bridge Design, Reinforced Concrete, Masonry Construction, and Testing Materials, are practically complete to date, but are enlarged each year to keep in touch with latest engineering practice.

Admission—Admission to the regular Engineering course is open to all high school graduates or those who have equivalent preparation. Examination for High School standing will be given at Valparaiso several times each year by the State High School Inspector.

Students who are properly qualified and not candidates for degrees will be admitted as special students to the classes in Engineering without examination. They must present a record of their preparation and qualifications to the Dean. All Engineering students *must be registered* with the Dean.

Engineering Society—The Civil Engineering Department has a society for the purpose of stimulating interest in engineering and promoting the social interests of the members of the Department. The American Association of Engineers has recently organized a chapter at Valparaiso University. Weekly meetings are held. One-half of the meetings are given up to student addresses and papers, and one-half to addresses from outside speakers. Discussions given by a student will follow each paper or address. A college credit will be given to all who attend and participate in sixty meetings of this kind; participation includes the reading of one paper and the engaging in twenty discussions.

DESCRIPTION OF ENGINEERING SUBJECTS

The regular college subjects will be found listed and described under their respective heads.

Texts may be changed without notice.

1. SURVEYING

Twelve weeks. Five hours lecture. Ten hours field work.

(a) PLANE—Recitations, lectures, field and office work in the theory and practice of plane surveying. The highest standards of form and style of field notes and office calculations are required.

An instrument fee of \$1.00 is charged.

Texts: Plane Surveying, Breed and Hosmer, Elementary Surveying, Vol. I; Manual—Yeoman & Tucker.

The fees required in surveying and laboratory are not for breakage. The student is required to pay for all apparatus carelessly broken.

Six weeks. Five hours office work. Five hours recitation. Camp six weeks.

(b) TOPOGRAPHICAL SURVEYING—A study of the theory and practice of the stadia, plane-table and other instruments employed in topographical surveys. A topographical survey is made of a tract of land, including city lots, open field, rough country, and a hydrographic survey is made of a portion of one of the lakes in the vicinity.

An instrument fee of \$1.00 is charged.

Text: Same as Plane Surveying.

Camp six weeks. Five hours recitation. Five hours drawing.

(c) HIGHER SURVEYING—Geodetic Surveying, Precise City Engineering, Hydrographic Surveying, Computation Practice.

2. RAILWAY ENGINEERING

(a) RAILWAY CURVES—This course takes up the theoretical study of simple, compound and reversed railway curves, with sufficient field practice to prepare the student for the more advanced work in Railway Location.

Text: Field Manual for Railway Engineers—Nagle.

An instrument fee of 50 cents is charged.

Six weeks. Five hours recitation. Five hours office work. Camp six weeks.

(b) RAILWAY LOCATION AND CONSTRUCTION—A complete survey of a railway some miles in length, in which the student makes the reconnaissance, preliminary survey, topography, mapping, profiling,

projecting the location, approximate estimate and final location. Advanced field problems in simple, compound and transition curves.

Lectures, office and field work in railway construction, including cross-sections, calculations of quantities; haul, monthly and final estimates, etc. A complete estimate of quantities and cost of the located line, assigned reading.

An instrument fee of 50 cents is charged.

Text: Field Manual for Railway Engineers—Nagle.

Twelve weeks. Two hours lecture. Three hours drawing.

(c) RAILWAY MAINTENANCE AND ECONOMICS—The maintenance of railway track and structures; lectures, recitations, inspection trips, design, comparison of rail sections, tie plates, locks; section of road bed, freight yard, lectures on timber, treating ballast, etc. Economics of railway location, revisions, and improvements; analysis of operating expenses, as effected by grades, curves; economic estimates.

Text: Elements of Railway Engineering, Raymond.

Twelve weeks. Two hours lecture. Three hours drawing.

(d) RAILWAY STRUCTURES—Design of bridge abutments, piers, ash pits, turn tables, round houses, yard design, railway signaling.

Text: Lectures and notes.

Six weeks. One hour recitation and eight hours field work a day.

(e) ENGINEERING CAMP—Required of all Civil Engineers. Must be preceded by Plane Surveying.

The Engineering camp is located remote from the University, selected to furnish a variety of topographical conditions. The camp is conducted on a practical plan.

Students receive the maximum amount of practice with the instruments and smaller equipment. The work of the camp covers the details of angle measurement, calculation of triangular system, base line measurement, precise surveying, railroad reconnaissance, preliminary location, final location and topographical and hydrographical survey with transit and stadia, plane table and stadia and with stereophoto method.

Expenses for transportation to, and living at camp are paid by student at the beginning of the quarter. Estimated expense is fifty dollars per student.

3. APPLIED MECHANICS

Twelve weeks. Five hours.

(a) THEORETICAL MECHANICS—A study of the laws of equilibrium and motion; algebraic determination of stresses, center of gravity,

moment inertia, work, energy and friction. Physics V may be substituted for this.

Text: Applied Mathematics—Vol. II Martin.

Twelve weeks. Five hours.

(b) **STRENGTH OF MATERIALS**—Mechanics of materials, including stresses and deformations in tension compression, shearing, torsion and flexure; also strength of long columns, continuous girders, reinforced concrete, and the elements of the theory of elasticity.

Text: Strength of Materials—Boyd.

Twelve weeks. Five hours.

(c) **ELEMENTARY REINFORCED CONCRETE**—A thoro study of reinforced concrete beam and column theory, including character of materials, slab, beam, girder and T-beam design. The value of some of the patents are also discussed.

Text: Reinforced Concrete, Vol. I—Hool.

Twelve weeks. Five hours.

(d) **HYDRAULICS**—Lectures and recitations covering the laws of motion of fluids; flow of water through orifices, open channels, and over weir, and the fundamental principles underlying hydraulic development.

Text: Hydraulics—Slocum.

4. ALGEBRAIC AND GRAPHIC STATICS

Twenty-four weeks. Five hours recitation. Ten hours drawing.

(a) **GRAPHIC STATICS**—Analysis of stresses in roof trusses under action of static and wind loads, and in bridge trusses under action of static and moving wheel loads.

Text: Modern Framed Structures Part I, Johnson, Bryan and Turneaure.

Twelve weeks. Five hours recitation.

(b) **THEORY OF STRUCTURES**—Lectures and recitations covering theory of combined stresses and influence lines; analysis in draw, cantilever and suspension bridges, arch-ribs, and steel structures. Notes on the economical design of structural parts.

Text: Part II Modern Framed Structures, Johnson, Bryan and Turneaure.

5. TESTING MATERIALS

Twelve weeks. Two hours lecture. Eight hours laboratory.

(a) **GENERAL**—An experimental study of the effects of tension, compression, torsion flexure, upon steel, wood, stone, concrete, plain and reinforced, brick and other building materials. The

student learns to judge the character and properties of building materials and to verify theoretical laws.

A laboratory fee of \$2.00 is charged.

Text: Lecture Notes—Laboratory notes by Prof. Yeoman.

Twelve weeks. Two hours lecture. Eight hours laboratory.

(b) CEMENT AND CONCRETE—Special and advanced work in testing materials used in masonry construction, with particular attention to cements and proportionate concretes, the effect of proportioning on the cost.

A laboratory fee of \$2.00 is charged.

Text: Concrete, Plain and Reinforced—III Edition Taylor and Thompson.

Notes by Prof. Yeoman.

6. MUNICIPAL ENGINEERING

Twelve weeks. Five hours recitation. Five hours drafting and field work.

(a) ROADS AND PAVEMENTS—Recitations and lectures on purpose, quality, location, construction and maintenance of roads and pavements; friction and resistance to rolling; tractive power of gradients; design estimates, cost, and field location of different types of roads at various grades.

Text: Hand Book for Highway Engineers Second Edition—Harger and Bonney.

Twelve weeks. Three hours lecture. Six hours drafting.

(b) WATER SUPPLY ENGINEERING—A study of the various sources of water supply; design and construction of the various methods of supplying water, methods of connection and distribution; pumping machinery, tanks and reservoirs.

Text: Public Water Supplies—Turneure and Russel.

Twelve weeks. Three hours lecture. Six hours drafting.

(c) SEWERAGE—Systems of carriage for storm water and sewerage, separate and combined; laws of flow; field work in running profiles, profiles from contours, determining grades, computing quantities, designs of plans; specifications; contract and method of assessment.

Texts: Sewers and Drains—Marston and Fleming. Sewage Disposal—Kinnicut, Winslow and Pratt.

Twelve weeks. Five hours lecture. Five hours laboratory.

(d) BACTERIOLOGY—This course covers the microscopical examination of drinking water; qualitative and quantitative bacteriological

analysis of water and sewage; practice in detecting sewage bacteria in suspected waters; the interpretation of chemical analysis bearing on bacteriological analysis, personal and public hygiene, contagion, pasteurization and sterilization.

A laboratory fee of \$3.50 is charged.

Text: Aids to Bacteriology—Moore and Partridge, or General Bacteriology—Jordan.

7. POWER ENGINEERING

Twelve weeks. Two hours lecture and recitation.

(a) ENGINES AND BOILERS—A study of steam and gas engines as to structural detail; valves, simple and compound; link motion and reversing gears; zeuner diagrams and the theory of steam engine indicator. A similar study is made of typical boilers and the modern steam turbine.

Text: Heat Engines—Allen and Bursley.

Twelve weeks. Two hours recitation.

(b) GAS ENGINES—A brief study of gas, gasoline and oil engines with special attention given to the practical side. Contractors' small power plants and automobile engines are examined in detail.

Text: Not fixed.

8. DESIGN OF STEEL AND WOOD STRUCTURES

Twelve weeks. Three hours recitation. Three hours drawing.

(a) MASONRY CONSTRUCTION

Twelve weeks. Three hours recitation and lecture. Six hours drawing.

(b) MASONRY CONSTRUCTION—Principles of foundations; design of grillage, pile and reinforced concrete foundations, design of reinforced concrete beams, girders, slabs, columns, buildings, retaining walls and arches. Special study is made of the various construction companies' catalogues and the value of their patents.

10. HEATING AND VENTILATING

Twelve weeks. Three hours recitation. Three hours drawing.

A study of the principles underlying the design of the various private and district heating plants. Each student submits designs covering systems used in residences, school or office buildings, and central heating systems. Must be preceded or accompanied by Physics III.

Text: Hand Book for Heating and Ventilating Engineers—Hoffman.

11. COST ENGINEERING

Twelve weeks. Five hours recitation.

Study of principles underlying cost and management on large and small contracts. Reading and estimating quantities from blue prints. Collection and tabulation of cost data. Study of labor conditions in various parts of the world. Comparison of costs between hand labor, animal labor, and machine labor. The human side of engineering.

Text: Engineering Office Methods—Davis.

12. INSPECTION TRIPS

Each student is required to participate in at least one inspection trip in the second year covering one or two days, and three in the third year covering three or more days.

The second year trip takes place during the first quarter and applies to Railway Engineering.

The third year trip covers Concrete Structures, Bridge and Municipal plants.

The total expenses need not exceed \$6.00 per trip. A small fee is charged to pay the general expense of the trip and arrangements.

13. SEMINAR

Twelve weeks. Three hours.

Assigned reading and reports on current and past engineering subjects. Tri-weekly meetings and discussions of leading articles of the week.

14. THESIS

Twelve weeks. One hour recitation. Five hours drawing.

The completion of a satisfactory thesis or its equivalent is required of all candidates for the degree of Civil Engineer. The subject must be submitted prior to the opening of the quarter in which it is prepared. The subject and treatment must be approved by the Dean of Engineering.

Note: The University reserves the right to retain a part of any student's work (in Engineering) for use in class instruction. Only a small part of any one student's work will be retained.

Every student is required to have copy of text during class, when such is necessary to proper conduct of recitation.

English and Public Speaking—The Engineering profession has, for a number of years, criticized the technical schools for allowing their students to graduate without proper training in both writing and speaking good English. The Engineers are frequently called upon to address meetings and write papers, and if their early training is deficient in this line, they are seriously handicapped. For this reason the student will be required to take all courses in English given in the course of study, and he is advised to take more if his time will permit.

FIRST YEAR

NO.	SUBJECT	HOURS PER WEEK		
		Rec.	Prac.	Credit
FIRST QUARTER (12 weeks)				
1.	Trigonometry *1-2-3-4	5	....	1
2.	Mechanical Drawing 1-2-3-4.....	....	5	1/3
3.	Public Speaking 1-2-3-4.....	5	....	1
4.	English (College) 1-2-3-4.....	5	....	1
5.	Chemistry (C. 1) 1-3.....	5	5	1
		—	—	4 1/3
SECOND QUARTER (12 weeks)				
6.	Analytical Geometry 1-2-3.....	5	....	1
7.	Chemistry (C. 11) 2-4.....	5	5	1
8.	Mech. Drawing II (Projection) 1-2-3-4.....	5	....	1
9.	Shop, Bench and Lectures 1-2-3-4.....	1	5	1/3
10.	English (College) 1-2-3-4.....	5	....	1
		—	—	4 1/3
THIRD QUARTER (12 weeks)				
11.	Analyt. Geom. and Calculus 2-3-A.....	5	....	1
12.	Plane Surveying (C. 1) 1-3.....	5	10	1
13.	Descriptive Geometry (I) 1-2-3-4.....	5	....	1
14.	Analytical Chemistry (C. XI) 1-2-3-4..	....	10	2/3
15.	Mechanical Drawing III 1-2-3-4.....	....	5	1/3
		—	—	4
FOURTH QUARTER (12 weeks)				
16.	Calculus 2-4	5	....	1
17.	Bacteriology 4	5	5	1
18.	Astronomy I	5	....	1
19.	Descriptive Geometry (II) 1-2-3-4.....	....	10	2/3
20.	Industrial Chemistry 4.....	3	....	1/3
21.	Mechanical Drawing IV 1-2-3-4.....	....	5	1/3
		—	—	4 1/3

A limited number of substitutes (not over three) may be elected.

*The numbers 1-2-3-4 indicate the quarters the subject is offered.

SECOND YEAR

NO.	SUBJECT	HOURS PER WEEK		
		Rec.	Prac.	Credit
FIRST QUARTER (12 weeks)				
22.	Calculus 1-3	5	....	1
23.	Dynamical Geology 1-2-3.....	5	....	1
24.	Railway Maintenance and Economics (C. 2) 1.....	2	3	1
25.	Physics, Course V 1.....	5	5	1
26.	Debating 1-2-3-4	1	....	1/3
27.	Inspection Trip and Report.....			1/6
		—	—	4 1/2
SECOND QUARTER (12 weeks)				
28.	Strength of Materials (C. 3) 1.....	5	....	1
29.	Algebraic and Graphic Statics I (C. 4)	5	5	1
30.	Economic Geology 2.....	5	5	1
31.	Physics, Course VI.....	5	5	1
		—	—	4
THIRD QUARTER (12 weeks)				
32.	Differential Equations (Optional) 1.....	5	....	1
33.	Theoretical Mechanics	5	....	1
34.	Algebraic and Graphic Statics II (C.4)	5	10	1
35.	Reinforced Concrete I (C. 3).....	5	....	1
36.	Physics, Course VII.....	5	5	1
		—	—	5
FOURTH QUARTER (12 weeks)				
37.	Higher Surveying (C. 1).....	5	5	1
38.	Topography (C. 1).....	5	5	1
39.	Railway Curves (C. 2).....	5	5	1
40.	Railway Location and Construction (C. 2)	5	5	1
		—	—	4

THIRD YEAR

NO.	SUBJECT	HOURS PER WEEK		
		Rec.	Prac.	Credit
FIRST QUARTER (12 weeks)				
41.	Hydraulics (C. 3).....	5	....	1
42.	Theory of Structures (C. 4).....	5	....	1
43.	Testing Materials (General) (C. 5)....	2	8	1
44.	Roads and Pavements (C. 6).....	5	5	1
45.	Debating 1-2-3-4	1	....	1/3
46.	Inspection Trip and Report.....	—	—	1/6
SECOND QUARTER (12 weeks)				4 1/2
47.	Bridge Design (1) (C. 8).....	1	5	1
48.	Municipal Engineering (C. 6).....			
	Water Supply	3	6	1
49.	Testing Materials (Cement and Concrete) (C. 5)	2	8	1
50.	Heating and Ventilating (C. 10).....	3	....	3/5
51.	Engines and Boilers (C. 7).....	2	....	2/5
52.	Inspection Trip and Report.....	—	—	1/6
THIRD QUARTER (12 weeks)				4 1/6
53.	Bridge Design (2) (C. 8).....	1	6	1
54.	Municipal Engineering (Sewerage) (C. 6)	3	6	1
55.	Masonry Construction (C. 9).....	3	3	3/5
56.	Gas Power (C. 7).....	2	....	2/5
57.	Commercial Law 1-2-3-4.....	5	....	1
58.	Inspection Trip and Report.....	—	—	1/6
FOURTH QUARTER (12 weeks)				4 1/6
59.	Structural Design (C. 8).....	2	4	2/3
60.	Masonry Construction (C. 9).....			
	(Reinforced Concrete, Stereotomy).....	3	6	2/3
61.	Cost and Management Engineering (C. 11)	3	5	1
62.	Thesis (C. 13) 1-2-3-4.....	1	5	1
63.	Railway Structures (C. 2).....	2	3	1/3
64.	Seminar (C. 12)	3	....	1/3
		—	—	4

Total Credits Listed.....51 1/3

Upon the satisfactory completion of fifty of above credits the degree of Civil Engineer is conferred.

LAW SCHOOL

The Law School was instituted in 1879. It stands for sound learning, complete utilization of time, and minimum expense. It aims to train for the practice of law men and women who possess sufficient maturity, earnestness, and ability to engage in serious professional study.

Equipment—The School occupies a comfortable building, with well appointed recitation and library rooms, and offices for the instructors. A good working law library, which is being added to yearly, is maintained in the building, and its use is free to law students from 9 A. M. to 9 P. M. The general library of the University also is open to students of the Law School without additional charge.

The School Year—The school year 1918-19 will open on Tuesday, October 1, 1918, and will close on Thursday, May 29, 1919. *Class work will begin promptly on Wednesday, October 2, 1918.*

The year in the Law School continues through the Fall, Winter and Spring Quarters but not, at present, during the Summer Quarter. Each Quarter is twelve weeks in length. An intermission of two school days occurs between Quarters. There are no other vacations, and the only holidays are Thanksgiving day and Christmas day. A year at this school is therefore a year of uninterrupted study—a day's instruction for nearly every working day spent in residence.

Admission of Regular Students—The following persons are admitted to the first year without examination as candidates for the degree of Bachelor of Laws:

1. Graduates of standard colleges, upon production of their diplomas or certificates of graduation.
2. Applicants not less than eighteen years of age, upon production of certificates showing the successful completion in a commissioned four-year high school or preparatory school of at least fifteen units (the usual college entrance requirement, equivalent to four years of high school work).

Admission of Special Students—Persons who cannot qualify as candidates for the degree but who are not less than twenty-one years of age and produce evidence of such training and experience as should enable them to pursue with advantage the study of law

may be admitted as special students by the consent of the faculty. Those who wish to enter under this rule should make written application to the Dean, stating their age, education, experience, occupation, and the names of three or more persons acquainted with their character, ability, and attainments. Such applicants should not present themselves for registration before receiving assurance from the Dean that their applications have received favorable consideration. Special students are entitled to certificates showing all subjects taken and the time spent in residence.

Admission to Advanced Standing—Students who have attended another law school of high grade after becoming qualified to enter this school are admitted without examination to such standing as their properly certified credentials may entitle them. Reasonable substitution of subjects, in equivalent amounts, is permitted.

Registration—Students are expected to register in person on or before the first day of the Fall Quarter, and will not be received after October 15, unless they have done sufficient work in law to enable them to proceed with the class. No encouragement can be given to those who desire to obtain the degree in less than the required time.

Routine of Entrance—Payment of fees, and arrangements for board and room, should first be made at the University office in the Old College Building. Certificates or other credentials and receipts for tuition should then be presented at the office of the Dean in the Law Building. If credentials are not approved, the money paid will be refunded. In case of doubt as to the sufficiency of credentials, correspondence is invited before the applicant presents himself for admission. Newcomers are advised not to contract for rooms before consulting the University office.

COURSE OF STUDY

The course of study extends through three school years of thirty-six weeks each. It is carefully graded and includes the subjects most necessary in the practice of law and most commonly required by bar examiners. During the school year 1918-19 only the subjects of the first two years will be given. Third year subjects will be offered in the year 1919-20.

The program of study for the year 1918-19 will be as follows:

FIRST YEAR

ELEMENTS OF LAW. Part of Fall Quarter (M.-S.). *Thirty-six hours.* Robinson's *Elementary Law* (1st ed.); Bowman's *Lectures* and Bowman's *Questions and Exercises on Elementary Law*; Woodruff's *Introduction to the Study of Law*; Pound's *Introduction to Study of Law*.

PRINCIPLES OF LIABILITY. Fall Quarter (M.), Winter and Spring Quarters (M., Tu.). *Sixty hours.* Beale's *Cases on Legal Liability*.

CONTRACTS. Fall Quarter (M.-F.) and Winter Quarter (W., Th., F.). *Ninety-six hours.* Huffcut and Woodruff's *Cases on Contract* (2d ed.); Anson's *Law of Contract* (Huffcut's 2d ed.); Bowman's *Lectures and Problems in Contract*.

PROPERTY (Personal Property; General Introduction to Real Property; Rights in Another's Lands). Fall and Winter Quarters (W., Th., F.). *Seventy-two hours.* Warren's *Cases on Property*.

CRIMINAL LAW AND PROCEDURE. Fall and Winter Quarters (M. T.), Spring Quarter (W., Th., F.). *Eighty hours.* Beale's *Cases on Criminal Law* (3d ed.); Beale's *Criminal Pleading and Practice*.

CIVIL PROCEDURE AT COMMON LAW. Part of Fall Quarter (Th., F. S.), Winter and Spring Quarters (M., Tu.). *Seventy hours.* Sunderland's *Cases on Common Law Pleading*; Stephen's *Pleading* (Tyler's ed.); Bowman's *Lectures and Problems in Contract*.

TORTS. Part of Fall Quarter (Tu., W.), Winter and Spring Quarters (W., Th., F.). *Eighty hours.* Ames and Smith's *Cases on Torts* (Pound's ed.).

AGENCY. Spring Quarter (M.-F.). Taken with second-year class in 1918-19.

SECOND YEAR

EQUITY JURISPRUDENCE AND PROCEDURE. Fall and Winter Quarters (M., Tu., W.), Spring Quarter (Th., F.). *Ninety-six hours.* Boke's *Cases on Equity*; Rush's *Equity Pleading and Practice* (2d ed.).

TRUSTS. Fall and Winter Quarters (Th., F.). *Forty-eight hours.* Case-book to be selected.

SALES. Fall Quarter and first half of Winter Quarter (M., Tu., W.). *Fifty-four hours.* Woodward's *Cases on Sales*.

PERSONS. Fall Quarter and first half of Winter Quarter (Th., F.). *Thirty-six hours.* Peck's *Persons and Domestic Relations.*

PROPERTY (Acquisition of Real Property *inter vivos* and on death of former owner). Fall and Winter Quarters (M.-Th.), Spring Quarter (M., Tu., W.). *One hundred thirty-four hours.* Aigler's *Cases on Titles to Real Property*; Costigan's *Cases on Wills, Descent, and Administration.*

LEGAL BIBLIOGRAPHY. Fall and Winter Quarters. (F.). *Twenty-four hours.* Cooley's *Briefmaking and the Use of Law Books* (3d ed.).

CODE PLEADING. Last half of Winter Quarter and Spring Quarter (M., Tu., W.). *Fifty-four hours.* Sunderland's *Cases on Code Pleading*; Bowman's *Code Pleading and Practice*; Hepburn's *Historical Development of Code Pleading.*

BILLS AND NOTES. Last half of Winter Quarter and Spring Quarter (Th., F.). *Thirty-six hours.* Bigelow's *Cases on Bills, Notes, and Cheques*; McMaster's *Commercial Paper.*

AGENCY (Principal and Agent; Master and Servant). Spring Quarter (M.-F.). *Sixty hours.* Huffcut's *Cases on Agency* (2d ed.).

Books—All books in the foregoing list are essential. Editions other than those named should be avoided. A law dictionary, also, is indispensable. Standard text-books on the various subjects and a set of Blackstone's Commentaries will be found useful. The statutes of the State where the student expects to practice can be used to advantage by second-year and third-year students.

Method of Instruction—Beginning students are carefully grounded at the outset in the fundamental conceptions of the common law and are given some acquaintance with its history and evolution. Thereafter the instruction is given mainly through the discussion of legal principles as disclosed in reported cases, supplemented by a large amount of practice work. This method is the result of much study of the needs and capabilities of students and is designed to give a practical knowledge of legal principles and to develop the power of legal reasoning.

The practice work consists of exercises in finding authorities, drafting legal papers, passing upon abstracts of title, and practice in the two courts of the Law School—the University Moot Court and the University Circuit Court.

Instruction in other departments—The instruction given in other departments of the University is open to students of the

Law School without additional charge except for laboratory courses and private lessons in oratory, music, etc. Those who wish to avail themselves of this privilege may do so upon obtaining the written consent of the Dean of the Law School. A student, ordinarily, is not permitted to take more than one subject at a time besides law.

Examinations and Standings—Regular examinations in writing are held upon the completion of the various law subjects. Deficiency examinations in the subjects of the first two years are held during the week preceding the opening of the Fall Quarter.

Examinations, recitations, and attendance are taken into consideration in estimating grades. The standing of students is indicated by the letters A, B, C, D, and E, representing *Excellent*, *Good*, *Fair*, *Conditioned*, and *Failure*, respectively.

Not more than one hundred hours of conditioned work in any one year may be counted toward the degree. Conditions not exceeding one-third of the work of a year may be removed by passing deficiency examinations before entering the next higher year. Conditions in excess of one hundred hours in any year not so removed must be removed by repeating the work in class and passing the examination.

A failure in any subject can be made good only by repeating the subject in class and passing the examination.

Students who have been conditioned or have failed in more than one-third of the work of a year are classified again in the same year and repeat the subjects in which they are deficient, taking only such work in the advanced class as the faculty may deem advisable.

Graduation—The degree of *Bachelor of Laws* is conferred upon regular students who have satisfactorily completed the course of study. Higher degrees in law are not given.

Students admitted to advanced standing must complete at least one year's work in this school in order to receive the degree.

A regular student who is not entitled to graduate with his class may receive his degree upon making up his deficiencies within two years thereafter.

Combined Courses in Arts and Law—Students who have completed three years (nine quarters) of work in the College of Liberal Arts, or equivalent work in any other standard college, may count the first year of the law course both toward the degree in arts and toward the degree in law. Such students will receive the degree of *Bachelor of Arts* upon the satisfactory completion

of one year in law, and the degree of *Bachelor of Laws* upon the satisfactory completion of the law course. By electing the combined courses students may obtain the two degrees in six school years; and by taking nine consecutive quarters of college work, may further reduce this time to five and one-fourth calendar years.

Admission to the Bar—Graduates of the Law School who are residents of Indiana and not less than twenty-one years old may be admitted to the Circuit Court of the county, the Supreme Court of the State, and the District Court of the United States for the district of Indiana. The faculty cannot move the admission of students who do not graduate.

Pre-legal Instruction—The various departments of the University offer special advantages to students who desire to strengthen their preparation for the study of law.

High school graduates who cannot spend the time necessary to obtain a college degree may enter the College of Liberal Arts and take selected courses in History, Political Economy, Sociology, English, Latin, Modern Languages, Science, Mathematics, Parliamentary Law, and many other subjects which are valuable to the law student and the lawyer. Although not required for entrance to the Law School, a year or more of college work is strongly advised.

Persons who lack the preliminary education necessary to enter the Law School may make up their deficiencies in high school work in the University High School and in common branches in the University Preparatory School. Classes in these schools are formed every quarter. The students are more mature than pupils in ordinary high schools and common schools. Students preparing for the study of law, therefore, may enter at the beginning of any quarter, take such subjects as they may need, and proceed as rapidly as their capabilities permit. Many States require a high school course or its equivalent as a preliminary to the study of law. The high school provides effective means of complying with these requirements. By writing to the Dean of the Law School, any applicant may obtain information as to the requirements of the State where he expects to practice.

More detailed information concerning the University High School and the University Preparatory School is given elsewhere in this catalog.

Expenses—The tuition fee is seventy-five dollars a year, payable in advance and not ordinarily refunded when a student leaves before the end of the school year.

Every student will be asked to contribute three dollars toward the support of athletics during the first, second and third quarters, and will receive in return free admission to all athletic contests. Moneys thus collected will be at the disposal of the Student Council.

No matriculation fee is charged. For each deficiency examination there is a charge of three dollars; for each subject repeated, when taken in addition to regular work, five dollars. The diploma fee is seven and one-half dollars. Official certificates of admission to the State and Federal courts cost five dollars.

All fees are payable at the University office.

The price of the books used in class, new, is about forty-five dollars a year. A good law dictionary, new, costs four dollars; the best, nineteen and one-half dollars. Used books may be obtained for less and may be sold when the subjects are completed, thus greatly reducing the expense. By sharing books with a classmate even this expense may be cut in half. There is great advantage, however, in retaining all books for reference in later subjects and after graduation.

Information as to general expenses may be found under the head EXPENSES in this catalog.

For further information, address

THE LAW SCHOOL, VALPARAISO UNIVERSITY
Valparaiso, Indiana

SCHOOL OF PHARMACY

The School of Pharmacy graduated its first class in 1893. The School prepares for the duties of the pharmacist, and, at the same time, provides an excellent preparation for the study of medicine and dentistry, or for many other scientific and professional vocations. It also prepares the student for analytical work in both chemical and pharmaceutical lines of research. Every branch of pharmacy is taught.

Equipment—The School of Pharmacy is located in one of the newest and best equipped buildings of the University. This building is a three-story structure, 60x120 feet. The walls are constructed of Bedford stone and pressed brick with lining throughout of builders' terra cotta. This building is provided with all modern conveniences; is well lighted and ventilated. The total floor space is 21,600 square feet. In all, there are eight separate laboratories in which the different kinds of laboratory work in pharmacy are done. Each laboratory is supplied with special modern apparatus. These laboratories have a capacity for twelve hundred students daily. The facilities and equipment of the School of Pharmacy are entirely adequate.

Courses of Instruction—Four courses of instruction are offered in the School of Pharmacy. These lead to the degree of *Graduate in Pharmacy or Ph. G.*, *Pharmaceutical Chemist or Ph. C.*, *Post-Graduate Course or Ph. G.*, and *Bachelor of Science in Pharmacy or B. S. in Pharm.*

THE GRADUATE IN PHARMACY COURSE comprises two years of nine months each. Each year is divided into three quarters of twelve weeks each, with an interim of three months between Junior and Senior years.

This is the most popular course in the School of Pharmacy because it is designed to prepare the student for the duties of the retail pharmacist.

This course is not planned especially for the purpose of fitting students for examination, but those who complete it should be able to pass any state board, and be qualified to fill responsible positions.

The curriculum is so arranged that the subjects pursued will prepare the student for all the studies to be taken up in the succeeding quarters, thus preserving logical sequence in the order in which the different subjects in the course in Pharmacy are pre-

sented. It is also arranged in conformity to the outline given in the Pharmaceutical Syllabus. However, in every instance there is offered and required a greater number of hours than indicated in the outline given by the National Committee. To a very limited extent, students may elect certain branches in other departments of the University in place of taking additional work without extra charge, with the exception of private lessons in music, etc.

THE PHARMACEUTICAL CHEMIST COURSE comprises two years of forty-eight weeks each, or ninety-six weeks. Since the demand for pharmacists of broad professional attainments is increasing with each passing year, this course has been arranged to furnish a more thorough training than could possibly be given in the Ph. G. course of seventy-two weeks. Graduates of this course are exceptionally well prepared for all kinds of pharmaceutical and general chemical work. They are especially qualified for the different phases of analytical chemistry which will enable them to fill positions in pharmaceutical laboratories, food laboratories, and in various manufacturing establishments. On the other hand they have obtained, either one of the best foundations possible for a study of medicine, or the educational qualifications necessary to make them sought for as teachers of chemistry.

THE POST-GRADUATE COURSE comprises one year of nine months. This course is made up of work from both of the other courses, selected to meet the need of each individual student. This does not imply that the student is to have *less* than a complete program for each day. He must select, or have selected for him as many hours work per day as are required of the regular pharmacy student.

This makes an excellent review for those who have been out of touch with school work for a time. Because of the fact that the selection of subjects is made with regard to the needs of the student, it makes this course preparatory to board examinations. Non-registered pharmacists may avail themselves of this special course for reviewing those particular subjects in which they feel themselves least qualified. They may enter any quarter in the year.

THE BACHELOR OF SCIENCE IN PHARMACY COURSE—This course comprises three years of four quarters each or one-hundred forty-four weeks. It is designed to add scholastic training to the work presented in pharmacy proper and is arranged to include the Ph. C. course, having the same entrance requirements, namely, four years' high school or equivalent attainment.

Graduates from this course are exceptionally well trained to fill the position of pharmacist, chemist or teacher, the last year of the course being particularly adapted to the needs of the teacher of science. It will be observed that the regular Ph. C. course gives ample training in chemistry and botany. To this is added either zoology or geology. In case physics is desired it may be made the elective. To this there is also added a full year's work (four quarters) in psychology and pedagogy, a second year's work in French or Spanish, and three quarters in higher English.

In addition to being a training course for teachers of science it constitutes a very practical foundation for the profession of dentistry or medicine.

The Faculty—The Faculty consists of men of scientific attainment as well as having a wide range of experience in practical pharmacy. A number of members of the Faculty are either interested in a retail pharmacy establishment or have been at some former time. This assures those who attend this school of pharmacy that the practical side of their profession will not be overlooked.

The University is usually able to obtain situations for all graduates who do not find positions without its assistance.

Advantages—The School of Pharmacy, being located in a small city, is free from the influences which detract from a close attention to study upon the part of the student. Thus more can be accomplished in the same time than is accomplished where the student's time is divided between school work and outside employments and diversions.

It is not considered desirable for students to find employment in stores for any part of their time while pursuing this course.

The practical side of pharmacy is in no way underrated by the School of Pharmacy, but it is to the student's best interest to give his undivided time to his studies while taking the course. Certainly not more than one-half as much can be learned in a school of pharmacy where the time is divided between school work and store practice.

It must be understood that here instruction is given five days in the week throughout the entire school year.

The living expenses in a small city are much lower than in a large city. This makes it possible to take the complete course at much less expense than would be incurred when taken in institutions differently situated. Students may enter at the beginning of any quarter, but it is earnestly recommended that in so far as

possible entrance be made at the beginning of the school year in October.

Requirements for Admission—The educational requirements for admission to the Graduate in Pharmacy Course is a certificate of having completed at least two years of a recognized high school course, or the equivalent determined by examination.

For the Pharmaceutical Chemist Course and the Bachelor of Science in Pharmacy Course a certificate of graduation from a recognized high school offering a four years' course is required or the equivalent as shown by properly certified credentials.

For the Post-Graduate Course only those may enter as candidates for a degree who have had a Ph. G. course in this or some other recognized school of pharmacy.

For purposes of review work not leading to a degree, anyone may enter.

All applicants for admission to any of the courses must be of good moral character, and at least seventeen years of age.

Credentials must be presented at the time of entrance.

Requirements for Graduation—Candidates for graduation must have met the admission requirements, and must have completed all the subjects designated in the course of study with a mark of at least 80%, and with a record of attendance not falling below 80%. Examinations are given at the end of each twelve weeks upon the subjects covered during that quarter. There are also final examinations in Chemistry, Materia Medica, and Pharmacy which are obligatory, 80% being the minimum passing mark.

Credits will be accepted from other institutions where the admission requirements and the character of the work are equivalent to that offered by this Institution. Anyone who receives a degree in any of the courses in pharmacy must have attended the full Senior year in this University.

The degree of Graduate in Pharmacy will be given to those who complete the seventy-two weeks' course and also to those completing the thirty-six weeks' Post-Graduate Course and who are eligible for a degree.

The degree of Pharmaceutical Chemist will be given to those completing the ninety-six weeks' course and the degree of Bachelor of Science in Pharmacy to those completing the one hundred forty-four weeks' course.

Fees and Expenses—The University fees are payable each quarter in advance. Those who pay for the entire year are given a liberal reduction. The expenses in detail are as follows:

General tuition, each quarter, twelve weeks.....	\$ 20.00
Tuition for Junior and Senior Years, Ph. G. Course, six quarters, if paid in advance.....	110.00
Experimental Chemical Laboratory Fee, two quarters, each.....	3.00
Analytical Chemical Laboratory Fee, two quarters, each....	4.00
Physical Laboratory Fee, one quarter.....	2.50
Pharmaceutical Laboratory Fee, two quarters, each.....	7.00
Dispensing Laboratory Fee, one quarter.....	7.00
Physiological Laboratory Fee, one quarter.....	1.00
Botanical Laboratory Fee, two quarters, each.....	1.50
Physiological Chemical Laboratory Fee, one quarter.....	2.50
Volumetric Chemical Laboratory Fee, one quarter.....	3.50
Mineralogy Fee, one quarter.....	1.00
Alkaloidal Chemical Laboratory Fee, one quarter.....	3.50
Histological Laboratory Fee, one quarter.....	1.00
Tuition for Junior and Senior Years, Ph. C. Course, eight quarters, paid in advance.....	145.00
Bacteriological Laboratory Fee, one quarter.....	3.50
Water Analysis Fee, one quarter.....	2.50
Advanced Analysis (Gas, Ore and Iron) Fee, one quarter.....	4.00
Synthetic Organic Fee, one quarter.....	7.50
Food Analysis Fee, one quarter.....	12.00
Microscopy Fee, one quarter.....	2.00
Blow-Pipe Analysis Fee, one quarter.....	2.00

In case a student takes advantage of the liberal reduction mentioned above and later decides to withdraw from the University, all fees are returned excepting for the preceding and current quarters. It is to be understood that the regular quarter rates are charged for the time in school including that quarter in which he withdraws. Thus no one is obliged to continue work in this Institution if he is dissatisfied.

Students who enter upon any course in Pharmacy have the privilege of taking other studies in the University without additional cost. There are always many students each year who avail themselves of this opportunity to improve in some special branch.

For further information, address

SCHOOL OF PHARMACY, VALPARAISO UNIVERSITY

Valparaiso, Indiana

SCHOOL OF DENTISTRY

A very important factor in the successful teaching of Dentistry is to be able to supply an abundance of clinical material. This can be done in a large city.

The University is regularly affiliated with the Chicago College of Dental Surgery, one of the oldest and best established Dental Schools in Chicago. The high standard of excellence for which this College is known throughout the world will be maintained, and it will continue to add to its curriculum and equipment as the Science and Art of Dental Surgery advances.

Buildings and Equipment—The School of Dentistry occupies its own building at the corner of Harrison and Wood Streets in Chicago. The building is a five story and basement structure of Bedford Stone, pressed brick and terra cotta. Its location is ideal. It stands in the center of the great medical and hospital district of Chicago. Students are thus, from the very beginning of their course, brought into close contact with both Dentistry and Medicine, and the atmosphere of student life permeates the entire locality.

There are in this building two amphitheatres for general teaching purposes and a clinical amphitheatre for teaching oral surgery. There are also numerous laboratories for teaching the science and art of dentistry and its related subjects.

A library is maintained by the School as a separate and distinct feature of the Institution. It is free to all of the students. It contains the leading medical and dental journals besides many valuable texts and reference books upon the various subjects of Dentistry, and is in charge of an experienced librarian.

The regular opening of each college session is the first Tuesday in October of each calendar year.

Students must enter this School at this time, or not later than ten days thereafter. The complete course consists at present of four years of thirty-six weeks each. The curriculum is arranged as follows:

FIRST YEAR	SECOND YEAR
Anatomy	Anatomy
Chemistry	Chemistry, Organic and Physio-
Histology	logic
Physiology	Physiology and Hygiene
Dental Anatomy and Operative	Histology, Dental
Technic	Bacteriology
Prosthetic Technic	Prosthetic Dentistry
Applied Physics	Operative Dentistry
English	Metallurgy
THIRD YEAR	FOURTH YEAR
Pathology	Dental Pathology
Therapeutics and Materia	Therapeutics and Materia Medica
Medica	Lectures and Practical Operative
Lectures and Practical Opera-	Dentistry
tive Dentistry	Lectures and Practical Prosthetic
Lectures and Practical Pros-	Dentistry
thetic Dentistry	Oral Surgery
Bacteriology	Orthodontia
Orthodontia	Oral Hygiene and Prophylaxis
Oral Prophylaxis	Surgical Clinic
Crown and Bridge Work	Dental History and Economics
Radiography	Dental Ethics and Jurisprudence
Physical Diagnosis and Anes-	Physical Diagnosis and Anes-
thesia.	thesia

Faculty—Among the faculty of the School of Dentistry are many men of national and international reputation as practitioners and dental educators. Some have achieved fame as authors of text books on the important branches of dentistry, while others have won for themselves the distinction of having excelled in some particular branch of dental surgery or dental art.

The graduates of this School are found in almost every city throughout the world. The Institution has always taken pride in the fact that its alumni has in it so many prominent members that are now holding responsible positions in the profession.

Requirements for Admission—The School of Dentistry is one of the colleges which is recognized by the National Association of Dental College Faculties and adheres faithfully to the code of rules of this association concerning requirements for admission into Dental colleges.

At present the minimum requirement is that the applicant has completed the regular four years' course in a commissioned high

school or has done equivalent work. Those who do not have a diploma or documentary evidence of having completed a high school course may take an examination upon the subjects embraced in a high school curriculum.

Those who may be in doubt about their preliminary qualifications should write, stating the extent of the preparatory work completed. The University will then be able to inform you if further preparation is necessary.

Requirements for Graduation—The candidate for graduation must be twenty-one years of age and must possess a good moral character.

Students are required to attend before graduation four full courses of lectures, the last of which must be in this institution. Every candidate must present for inspection practical operations performed by himself in each department and give full evidence of his skill and ability in treating patients who may be submitted to him.

He must also stand an examination satisfactory to the Faculty in all the branches taught. The report of the attendance and practice of students in the infirmary will be considered and will have a material bearing upon the final standing and credits.

Fees and Expenses—The School fees have, by agreement with most of the recognized Colleges of Dentistry, been fixed at the uniform price of \$175.00 for the general tuition, including all laboratory fees.

The registration fee for each year has been fixed at \$5.00. Thus the fees in the School of Dentistry are no higher than in any other Dental College.

The fees need not necessarily all be paid in advance.

Living expenses in Chicago may be reduced considerably by taking advantages of boarding in clubs.

Those who desire to economize can find positions which they may fill without taking time from college work and thus earn sufficient to pay for board and room. Those desiring some assistance to defray a part or all of their living expenses should confer with the college clerk upon arriving at the Institution.

For further information, address

SCHOOL OF DENTISTRY, VALPARAISO UNIVERSITY
Valparaiso, Indiana

THE PRE-MEDICAL WORK

The School of Medicine was established in 1901. Since that time and until the year 1917-1918, the University maintained a medical department in Chicago, the Chicago College of Medicine and Surgery. The first two years of the Medical course might always be taken in Valparaiso and the last two years in Chicago, or all four years in Chicago, just as the student might elect.

During the past year the freshman and sophomore years in Medicine were taught in Valparaiso as in the former years, but the University had no direct connection with any medical school. During the school year 1918-1919, and until further notice, the University will not give any Medical work, but it will continue to give all of its Pre-Medical courses.

The University now offers a regular two year Pre-Medical course. Each year consists of three quarters or nine months, and is equivalent to thirty semester hours. "By a semester hour is meant the work of the class, meeting once a week for eighteen weeks."

The requirements for entrance are the completion of a four years' high school course or an equivalent attainment.

All of the courses in science consist of lectures and quizzes and of appropriate laboratory work. They are the courses given in the College of Arts and Sciences and are courses in which the student is taught how to do the things which will prepare him for his medical studies.

Below is given the two year Pre-Medical College course, as outlined by the Council of the American Medical Association:

Required Courses:	Semester Hours
Chemistry	12
Physics	8
Biology	8
English Composition and Literature.....	6
French or German.....	6—12

Courses Strongly Urged:	Semester Hours
Adv. Algebra, Solid Geom. and Trig.....	3—6
Additional Courses in Chemistry.....	3—6
Additional Mod. Language, French or German.....	6—12
Psychology	3—6
Adv. Zoology, Embryology or Comp. Anatomy.....	3—6

Suggested Elective Courses:

English (Additional), Economics, History, Sociology, Political Science, Logic, Mathematics, Latin, Greek, Drawing.

This two-year course, according to quarters as given by the University, is as follows:

FIRST YEAR

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER
French	French	French
Chemistry	Chemistry	Chemistry
Zoology	Zoology	Botany
English	English	English

SECOND YEAR

FIRST QUARTER	SECOND QUARTER	THIRD QUARTER
French	French	French
Chemistry	Chemistry	Physics
*Physics	Physics	Comparative Anatomy
Psychology	Psychology	Political Economy

*Trigonometry is highly advisable before taking Physics.

If a student presents acceptable college credits for any of these subjects, he may choose other college work as electives. All changes must be passed upon by the Faculty Committee.

GRADUATES

ARTS AND SCIENCES

MASTER OF ARTS

Hoffman, Samuel Andrew.....Chicago, Illinois

MASTER OF SCIENCE

Plummer, Ira L.....Milnor, North Dakota

BACHELOR OF SCIENCE

Bachman, Mary Magdalen.....Altus, Arkansas
 Bowman, Jay.....Dentaybow, Minnesota
 Bowman, Milo M.....Valparaiso, Indiana
 Brower, Dean.....South English, Iowa
 Gruenert, Amanda.....Valparaiso, Indiana
 Hickman, Harry E.....McKeesport, Pennsylvania
 Miller, Arthur G.....Gilman, Illinois
 Price, Grady Daniel.....DeQuincy, Louisiana
 Steele, Caroline Mae.....Berlin, North Dakota
 Swanson, J. Albert.....Brainerd, Minnesota
 Vickery, L. Otis.....Sheridan, Indiana
 Wakeman, Frank Bolles.....Wellsbridge, New York
 Webb, June S.....Valparaiso, Indiana
 Yerex, A. L.....Valparaiso, Indiana

EDUCATION

MASTER OF ARTS

Strahan, Leonard Samuel.....Collins, Mississippi

BACHELOR OF ARTS

Atwood, Gladys Altina.....Watertown, Connecticut
 Belcher, Christian.....Rome City, Indiana
 Canon, Charles Thomas.....Mayfield, Kentucky
 Clausen, Henry C.....Grovertown, Indiana
 Dean, Earl D.....Binghampton, New York
 Edman, John Milton.....Maywood, Illinois
 Finkle, J. Richard.....Galva, Kansas
 Harman, Richard.....Interlaken, New York
 Harmon, Eva Louise.....Rhea Springs, Tennessee
 LeRoy, A. F.....Valparaiso, Indiana
 Mackey, Lura V.....Springfield, Ohio
 Middleton, George M.....Jaroldstown, Tennessee
 Norman, Edith E.....Peotone, Illinois
 Reynolds, Virginia Smith.....Troy, Tennessee
 Ryan, Joseph E.....Wharton, New York
 Shankle, George Earlie.....Jackson, Tennessee
 Talbot, M. Lewena.....St. Charles, Minnesota
 Tangusso, Sebastian.....Chicago, Illinois
 Wakeman, Doris Lodema.....Stockton, New York
 Weiss, Leonard M.....Madison, Wisconsin
 Weyman, William.....Jersey City, New Jersey
 White, David Livingstone.....Baker, Montana
 Wilkerson, Roy.....Waynesfield, Ohio

BACHELOR OF PEDAGOGY

Barr, James Hobart.....Knox, Indiana
 Bedford, James H.....Pittsfield, Massachusetts
 Breuninger, Joshua C.....Oakland, Maryland
 Demaree, Glenn.....Benham, Indiana
 Harper, William Riley.....Marthaville, Louisiana
 Heckel, Mildred C.....New Albany, Indiana
 Heob, Elroy Westover.....St. Louis, Missouri
 Holt, Harriet Gertrude.....Spokane, Washington
 Hugh, Yui Tinn.....China
 Pfafman, Emma Louise.....Avilla, Indiana

Randolph, Neva Elizabeth.....	Halstead, Kansas
Riddick, Thomas Prentice.....	Troy, Tennessee
Sharpensteen, James T.....	Western Grove, Arkansas
Smith, Ezra Bernard.....	Austin, Pennsylvania
Steele, Robert L.....	Browns, Indiana
Stephan, Dorothea Maria.....	Valparaiso, Indiana
Tinker, Lavinia.....	Hillsboro, Wisconsin
Wagner, Nellie A.....	McConnell, Illinois

ENGINEERING

CIVIL ENGINEER

Acosta, Jeronimo V.....	Camaguey, Cuba
Altamirano, Gustavo Rodriguez.....	Santiago, Chile, S. A.
Balenski, William Francis.....	Stamford, Connecticut
Craggs, Clyde.....	Kilbourne, Illinois
Friderichs, Max.....	Valparaiso, Indiana
Miller, E. B.....	Chicago, Illinois
Miller, Henry.....	Plainfield, New Jersey
Reider, Charles H.....	Valparaiso, Indiana
Stoimenoff, Stephan.....	Kustendil, Bulgaria
Trinkler, Walter Horatio.....	Warsaw, Poland
Ubeda, Eduardo R. Morales.....	Havana, Cuba
Vargas, Leopoldo Infante.....	Santiago, Chile, S. A.
Wickham, R. S.....	Watkins, New York
Wilkinson, Horace Arthur.....	Athol, Massachusetts
Yalowitz, Ben G.....	Hammond, Indiana

DENTISTRY

DOCTOR OF DENTAL SURGERY

Agosto, Benedict.....	Chicago, Illinois
Allen, Thomas Rexford.....	Fargo, North Dakota
Altman, Bernard.....	Chicago, Illinois
Anderson, Edwin R.....	Marinette, Wisconsin
Anderson, Oscar V.....	Fruitport, Michigan
App, James E.....	Chicago, Illinois
Axelrod, S. E.....	Chicago, Illinois
Bahadour, George.....	Constantinople, Turkey
Bancherel, Clarence.....	Vandalia, Illinois
Beguian, Parnag.....	Samsoun, Armenia
Berensen, Louis B.....	Chicago, Illinois
Bethez, Malcolm.....	Birmingham, Alabama
Beveridge, Charles D.....	Bozeman, Montana
Billings, Earl O.....	Geddes, South Dakota
Bogaard, Dave.....	Orange City, Iowa
Brockbank, H. D.....	Spanish Fork, Utah
Budka, Miss W. A.....	Oak Park, Illinois
Cannon, James H.....	Harrisburg, Illinois
Capel, Robert James.....	Harrisburg, Illinois
Carlson, J. E.....	St. Charles, Illinois
Carpenter, C. H.....	Sioux Falls, South Dakota
Carriss, J. A.....	Turtleford, Canada
Cassidy, George.....	Sheffield, Massachusetts
Clements, Raymond.....	Peoria, Illinois
Colom, Santiago.....	Lares, Porto Rico
Coltman, H. D.....	Maywood, Illinois
Day, J. C.....	Sabula, Iowa
Deutsch, M. B.....	Chicago, Illinois
Deutsch, S. R.....	Chicago, Illinois
Doxey, G. R.....	Ogden, Utah
Draper, S. J.....	Sullivan, Indiana
Duncan, W. M.....	Summerside, Prince Edward Island, Canada
Dworkin, B.....	Chicago, Illinois
Fernandez, Ramon.....	San Juan, Porto Rico
Furie, Walter J.....	Chicago, Illinois
Fuqua, V. E.....	Chicago, Illinois
Garcia, Carlos M.....	Isabela, Porto Rico
Gee, Mrs. Margaret.....	Blackfoot, Idaho
Ginsburg, Samuel J.....	Chicago, Illinois

Greenberg, Herman	New York New York
Greenspahn, Irving	Chicago, Illinois
Goldstein, G. M.	Chicago, Illinois
Goodney, S. B.	Ishpeming, Michigan
Grossman, Harry	Chicago, Illinois
Gudmunsen, Reed C.	Burley, Idaho
Halgren, L. O.	Ogden, Utah
Hayward, Jerry R.	Fennimore, Wisconsin
Heller, R. A.	Peoria, Illinois
Henderson, H. M.	Niagara Falls, Ontario, Canada
Henkel, J. Fred	Lancaster, Wisconsin
Hernandez, Ulises	Caguas, Porto Rico
Hess, Frank	Winona, Minnesota
Hitt, Claude	Hicksville, Ohio
Imber, J. W.	Chicago, Illinois
Irwin, E. B.	Milton, West Virginia
Izakowitch, B.	Chicago, Illinois
Jahnke, H. F.	Chicago, Illinois
Jensen, M. A.	Muskegon, Michigan
Johnson, G. G.	Chicago, Illinois
Johnson, W. W.	Chicago, Illinois
Jumer, J. A.	Pine City, Minnesota
Kahn, Harry	Chicago, Illinois
Kasalovsky, Bohumil	Chicago, Illinois
Kelly, Worrall S.	Blair, Wisconsin
Kenel, Robert	Porrentury, Switzerland
Kennedy, Joseph	Chicago, Illinois
Khedroo, K. S.	Chicago, Illinois
Kimmel, Frederick	Chicago, Illinois
Kirmse, Herman	Marinette, Wisconsin
Klaudt, Helmuth	Menno, South Dakota
Krogen, M. J.	Manistee, Michigan
Kobrzynski, J. J.	Chicago, Illinois
Lane, Wilbur	Rantoul, Illinois
Langworthy, H. P.	Augusta, Wisconsin
Lee, Rufus W.	Chicago, Illinois
Leggett, R. H.	Chicago, Illinois
Lepak, Michael K.	Duluth, Minnesota
Liber, Phillip	Chicago, Illinois
Liebers, Jacob	Chicago, Illinois
Liss, John J.	Chicago, Illinois
Luscher, Fritz	Muhen, Switzerland
MacDonald, Harry L.	Lake Geneva, Wisconsin
Mackenzie, Stanley	Detroit, Michigan
Manilow, Louis	Chicago, Illinois
McCollough, Fred H.	Milton, North Dakota
McCulloch, H. L.	Golconda, Illinois
McKean, H. J.	Towanda, Pennsylvania
McKell, R. W.	Spanish Forks, Utah
McKinley, C. V.	Elizabeth, Illinois
McLean, R. W.	Princeton, Illinois
Merrill, Wendell	Smithfield, Utah
Meyer, Fred	Gilman, Illinois
Mikulas, George W.	Cedar Rapids, Iowa
Mikulas, Lumir, M.	Cedar Rapids, Iowa
Miller, R. G.	New Carlisle, Indiana
Mullineux, L. G.	Chicago, Illinois
Neilson, W. G.	Ottawa, Canada
Nelson, E. G.	Menominee, Michigan
Nelson, Geo. W.	Marinette, Wisconsin
Nelson, M. O.	Sioux Falls, South Dakota
Overholt, E. M.	Mt. Pleasant, Pennsylvania
Papantonopulos, C. G.	Filiztra, Greece
Paxman, E. A.	Provo, Utah
Pisha, Miss B.	Chicago, Illinois
Pope, Jesse	Henrietta, Texas
Rainey, David W.	Salt Lake City, Utah
Reithel, O. C.	Sebewaing, Michigan
Rile, Charles M.	Beatrice, Nebraska
Ringlee, Emil F.	Binford, North Dakota
Ross, Raymond A.	Superior, Wisconsin

Sandquist, E. W.	Harnosand, Sweden
Saskor, Anthony	Chicago, Illinois
Schneider, H. W.	Ableman, Wisconsin
Schnitzer, Miss M.	Chicago, Illinois
Schroeder, Samuel	Chicago, Illinois
Schuhman, Sylvester	Hartford, Wisconsin
Schuhman, Byron J.	Hartford, Wisconsin
Serles, M. C.	Salem, South Dakota
Shaughnessy, L.	Fairmont, Indiana
Single, Harry A.	Ancortes, Washington
Sinkler, Samuel	Chicago, Illinois
Sloane, David	Chicago, Illinois
Sorenson, H. K.	Tonsberg, Norway
Stern, L. M.	Chicago, Illinois
Stone, Joel Alfred	Chicago, Illinois
Strozewski, Waclaw	Chicago, Illinois
Tamarin, Abraham	Philadelphia, Pennsylvania
Tanner, F. R.	Payson City, Utah
Torson, Archie O.	Whitehall, Wisconsin
Tretner, W. J.	Spokane, Washington
Tyler, C. L.	Mellen, Wisconsin
Vennesland, G. O.	Kristiansand, Norway
Vickers, L. N.	Kingsville, Ontario, Canada
Volkman, Arthur H.	Chicago, Illinois
Voss, E. R.	Aurora, Illinois
Vries, C. O. de	Utrecht, Holland
Weidner, James W.	Farmers City, Illinois
White, I. A.	Chicago, Illinois
Wilcox, Miner G.	Ogden, Utah
Wirth, Elizabeth	Helena, Montana
Witous, C. J.	Chicago, Illinois
Yasaki, M.	Tokio, Japan
Young, S. C.	Chicago, Illinois
Zubach, Louis	Chicago, Illinois

LAW

BACHELOR OF LAWS

Allen, J. Wayne	Collins, Mississippi
Anderson, Edward G.	Aurora, Nebraska
Bissell, Clayton L.	Kane, Pennsylvania
Blair, Albert W.	Mount Vernon, Illinois
Briggs, Nellie E.	Ashland, Oregon
Briggs, William M.	Ashland, Oregon
Bryant, Donald R.	Redding Ridge, Connecticut
Butler, Fred Eugene	Rockford, Illinois
Butler, J. E.	Trinidad, Colorado
Chenoweth, R. M.	San Jose, California
Cluen, Fred E.	Elkhart, Indiana
Cole, Philip S., Jr.	Farmington, Missouri
Craine, Paul	Cartersville, Illinois
Dailey, Howard S.	Ripley, New York
Davis, Desford E.	Stockton, Illinois
Dean, Benjamin J.	Lubbock, Texas
Downey, J. Harold	Joliet, Illinois
Fitzgerald, Peter A.	Philadelphia, Pennsylvania
Fletcher, Everett J.	Knox, Indiana
Grant, David S., Jr.	Beverly, Massachusetts
Griffiths, Albert E.	Chicago, Illinois
Hall, Joe S.	Scotland, Arkansas
Hawkins, William Scott	Pittsburg, Pennsylvania
Herbert, Earl	Honesdale, Pennsylvania
Hilliard, Prentis C.	Cherokee, Texas
Hughes, John Edward	Norwich, Connecticut
Humke, H. S.	Sturgeon Bay, Wisconsin
Kelchner, Warren H.	Rohrsburg, Pennsylvania
Kepler, L. S.	Valparaiso, Indiana
Kessler, A. H.	Red Bud, Illinois
Kiang, Tze Y.	Hanjong, China
Koehler, Karol C.	Priceburg, Pennsylvania
Long, Albert R.	Millersburg, Indiana

McGinnis, Edward M.	Hudson Falls, New York
McGraw, Justin S.	Denver, Colorado
McMahon, Henry J.	Lawler, Iowa
Mackoff, Isidor Albert.	Portland, Oregon
Miller, H. Ralph.	Lebanon, Missouri
Novoa, Ramon.	Kalamazoo, Michigan
Oswald, Carl.	Hollenburg, Kansas
Parphenove, Stephen S.	Viatka, Russia
Patterson, Clyde A.	Huntsville, Arkansas
Porras, Lorenzo P.	Jaro, Philippine Islands
Post, Frank.	Hudsonville, Michigan
Redden, Calvin C.	Hinton, West Virginia
Redmond, John F.	Terre Haute, Indiana
Reed, Chill T.	Colliers, West Virginia
Reed, Hannah R.	Monessen, Pennsylvania
Reed, James C.	Fort Smith, Arkansas
Rice, Eugene.	Union City, Tennessee
Rice, Walter A.	LaPorte, Indiana
Seaburg, Hilmer, L.	St. Paul, Minnesota
Shannon, H. A.	Mount Erie, Illinois
Sharpnack, Lindsay I.	Carmichael, Pennsylvania
Sheffield, Frank H.	Racine, Wisconsin
Smith, Perry.	Eddyville, Illinois
Snodgrass, Leonard.	Russiaville, Indiana
Soldner, Alva A.	Watertown, Wisconsin
Stites, Daniel D.	Ashkum, Illinois
Strizich, Thomas H.	Houghton, Michigan
Sugrue, M. H.	Waterbury, Connecticut
Sullivan, Frances D.	New Platz, New York
Sundin, Eric J.	Watertown, Connecticut
Tangusso, Sebastian.	Mineo, Italy
Terwilliger, Bert D.	Devils Lake, Wisconsin
Thomas, Leslie E.	Monon, Indiana
Trobaugh, Frank E.	Murphysboro, Illinois
Uhler, George C.	Walnut, Nebraska
White, Helen M.	Muncie, Indiana
Winkler, Ernest F.	Sand Point, Idaho
Winter, David H.	Shawano, Wisconsin
Witko, A. N.	Priceburg, Pennsylvania
Yerex, Lincoln A.	Valparaiso, Indiana
Young, D. W.	Fort Madison, Iowa

PHARMACY

PHARMACEUTICAL CHEMIST

Bitowski, Charles Sasimir.	Souvalki, Poland
Blanner, Julia Eleanor.	Watertown, Connecticut
Clymens, Floyd F.	Aurelia, Iowa
Craggs, Harold B.	Kilbourne, Illinois
Kooken, Fred Fuhrman.	Decatun, Indiana
Mulford, Ariel B.	Cincinnati, Ohio
Plette, G. W. Lloyd.	Altoona, Pennsylvania
Prickett, Henry Lawrence.	Trinity, Kentucky
Ruiz, Joseph Guzman.	Cienfuegos, Cuba
Shwiff, Paul.	Chicago, Illinois
Snachodsky, Abraham B.	Chicago, Illinois
Speer, William O.	Boonville, North Carolina
Summer, Eckford L.	Meridian, Mississippi
Whittington, E. Frank.	East Jordan, Michigan

GRADUATE IN PHARMACY

Bassett, Clive E.	Salina, Utah
Beavers, Thomas N.	Churubusco, Indiana
Bitowski, Charles Casimir.	Souvalki, Poland
Blanner, Julia Eleanor.	Watertown, Connecticut
Branstrator, Grace Kimmel.	Fort Wayne, Indiana
Brockman, Edward.	St. Louis, Missouri
Brown, Otis E.	Marvin, Missouri
Clymens, Floyd F.	Aurelia, Michigan
Cooley, C. Lynn.	Fremont, Michigan
Craggs, Harold B.	Kilbourne, Illinois

Crain, Dewey	Cartersville, Illinois
Drews, Elmer G.	Plainview, Minnesota
Evandoll, David, Jr.	Huntington, West Virginia
Farris, Evan LeRoy	Norwich, Kansas
Fisher, Arthur Raymond	Jerseyville, Illinois
Fleming, Thaddeus A.	Arlington, Tennessee
Gaebe, Erwin D.	New Salem, North Dakota
Gates, Harold A.	Valparaiso, Indiana
Haislip, R. Earl	Troy, Tennessee
Hattenburg, Albert F.	Clifton, Illinois
Hogan, Arthur J.	Darlington, Wisconsin
Houvenier, Harold L.	Delton, Michigan
Kooker, Fred Fuhrman	Decatur, Indiana
Ling, Leland L.	Hebron, Indiana
Lingo, William B.	Greenville, West Virginia
Love, Ralph A.	Scio, Ohio
Meyners, Henry Arnaldo	New York, New York
Moorman, Carrie A.	Rushville, Indiana
Mulford, Ariel B.	Cincinnati, Ohio
Plette, G. W. Lloyd	Altoona, Pennsylvania
Prickett, Henry Lawrence	Trinity, Kentucky
Randall, Clifford S.	Port Jefferson, New York
Ruiz, Joseph Guzman	Cienfuegos, Cuba
Salcedo, Silverio T.	St. Jacinto, Philippine Islands
Schmidt, A. Elsa	Leipzig-Stunz, Germany
Shwiff, Paul	Chicago, Illinois
Solon, Bernard M.	Logan, Ohio
Spencer, Watson, O.	Valparaiso, Indiana
Snachodsky, Abraham	Chicago, Illinois
Staton, Alice Wulheit	Marshall, Oklahoma
Sterling, Geraldine	Denver, Colorado
Stumpf, Elizabeth	Chicago, Illinois
Summer, Eckford L.	Meridian, Mississippi
Timmons, Gerald D.	Valparaiso, Indiana
Wark, Robert C., Jr.	Valparaiso, Indiana
Weidman, Roy S.	Paterson, New Jersey
Whittington, E. Frank	East Jordan, Michigan
Woodruff, Newton H.	Smithfield, Utah
Yerly, Joseph, Jr.	Taylorville, Illinois
Yovaish, John	Rockford, Illinois

MANUAL TRAINING

BACHELOR OF MANUAL TRAINING

Daniels, Jesse Howard	Valparaiso, Indiana
Donovan, Daniel M.	Lockport, New York
Dumont, Donald	Skowhegan, Maine
Haslem, Melvin	Jensen, Utah
Horton, William C.	Sumnerfield, Ohio
Kellogg, Karl K.	Fort Atkinson, Wisconsin
LaRue, Harry Lee	Forest City, Iowa
Patton, Crafton	Hot Springs, Arkansas
Peterson, George M.	Bergenfield, New York
Reynolds, Ira W.	Plymouth, Indiana
Shaw, Lyle James	Argos, Indiana
Smith, B. Herbert F.	Johnston City, Illinois
Watson, Thomas J.	Limrock, Alabama
Wilson, E. Vance	Ashland, Nebraska

EXPRESSION AND PUBLIC SPEAKING

BACHELOR OF ORATORY

Dendy, Fred L.	Albertville, Alabama
Heikens, Rose Anna	Spencer, Iowa
Holloway, Meryl N.	Gilson, Illinois
Jackson, H. A.	Wellford, West Virginia
Muldrow, Nell	Shelbyville, Missouri
Smith, Gerald L. K.	Viroqua, Wisconsin
Zelner, Joseph W.	Wayside, Wisconsin

CERTIFICATE

Grove, Verna V.	Plover, Iowa
Hamilton, Bernetta	Valparaiso, Indiana

VALPARAISO UNIVERSITY

MUSIC

GOLD MEDAL

Greener, Joseph Hall.....Rayland, Ohio

PIANO

Bailey, Ohmer Marcus.....Dayton, Ohio

Robberts, Mary Louise.....Blandinsville, Illinois

Skinner, Lillian Mae.....London, Ohio

Skinner, Evelyn Hazel.....Hampton, Iowa

VOICE

Corneau, Edith Addison.....Evanston, Illinois

TEACHER'S CERTIFICATE

Kintz, Helen B.....Tripp, South Dakota

Miller, Henry Joseph.....Wakefield, Michigan

Ruge, Irene Isabel.....Valparaiso, Indiana

PUBLIC SCHOOL MUSIC

Arvin, Julia.....Valparaiso, Indiana

Bringle, Amy Myrtle.....Fair Oaks, Indiana

Fernley, Dorothy Maude.....Aurora, Illinois

Reid, Ethel Ford.....Franklin, Massachusetts

HOME ECONOMICS

BACHELOR OF SCIENCE

Barden, Grace.....Lebanon, New Hampshire

Campbell, Sarah.....Albany, New York

Myers, Helen Montrose.....Atascadero, California

TWO-YEAR CERTIFICATE

Buckley, Irene.....Lowell, Indiana

Byers, Olive G.....Vincennes, Indiana

Farrell, Charlotte C.....Xenia, Ohio

Glasscott, Eulalia G.....Michigan City, Indiana

Graverson, Ida Ruth.....Bremen, Indiana

Haverstick, Edna Louise.....Sunbury, Pennsylvania

Heinle, Beatrice.....Argenta, Illinois

Heinlen, Hazel E.....Bucyrus, Ohio

Howell, E. Lottie.....Kiester, Minnesota

Jordan, Anna.....Claremore, Oklahoma

Kaiser, Florence.....Edon, Ohio

Kromshinsky, Eleanor Rose.....Michigan City, Indiana

Kruell, Vera A.....Kouts, Indiana

Kurtz, Florence M.....New Haven, Indiana

Lavin, Mary E.....St. Croix, Indiana

McDonald, Opal.....Monon, Indiana

Miller, Pearl A.....New Carlisle, Indiana

Nelson, Bertha.....Grayville, Indiana

Onion, Ruby Ruth.....San Antonio, Texas

Palm, Florence.....Michigan City, Indiana

Park, Eunice.....Brook, Indiana

Philly, Esther.....Valparaiso, Indiana

Pierce, Reba Catherine.....Le Grand, Iowa

Ropp, Elsa.....Franklin, Indiana

Smith, Helen R.....Hobart, Indiana

Smith, M. Marguerite.....Harrisburg, Pennsylvania

Taylor, May Dell.....LaPorte, Indiana

Travis, Helen Aken.....East Liverpool, Ohio

White, Myrtle Maja.....Chicago, Illinois

PRIMARY

DIPLOMA IN PRIMARY

Dolisi, Edna A.....Eudora, Kansas

Edgren, Esther L.....Britt, Iowa

Greenawalt, Mary C.....Fort Wayne, Indiana

Kromshinsky, Lillian Mary.....Michigan City, Indiana

Matthews, Evelyn Mary.....Marysville, Idaho

Merritt, Fern.....Seymour, Iowa

Trousedale, Sarah Ruth.....Monroe, Louisiana

CERTIFICATE IN PRIMARY

Bihl, Edith.....	Indiana Harbor, Indiana
Davis, Frieda Fern.....	Osceola, Iowa
Delzell, Hazel.....	Damascus, Ohio
Erwin, Arta.....	Britt, Iowa
Hess, Juliet Anne.....	Plymouth, Indiana
McNees, Lucina.....	Bedford, Iowa
Ott, C. Lucinda.....	Grass Lake, Michigan
Parsons, Mrs. Florence Garrett.....	Cascade, Montana
Riddick, Mrs. Thomas Prentice.....	Troy, Tennessee
Westfall, Isla Clede.....	Grayville, Illinois
White, Alta Mae.....	Richmond, Indiana

KINDERGARTEN

DIPLOMA IN KINDERGARTEN

Delzell, Hazel.....	Damascus, Ohio
Dollisi, Edna A.....	Eudora, Kansas
Kromshinsky, Lillian Mary.....	Michigan City, Indiana
Trousdale, Sarah Ruth.....	Monroe, Louisiana

CERTIFICATE IN KINDERGARTEN

New, Charlotte.....	Chicago, Illinois
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PREPARATORY

Abel, Mathias.....	Latbinure, Canada
Aborovich, Louis.....	Chicago, Illinois
Adams, Alvin.....	Clifton, Illinois
Adamson, M.....	Chicago, Illinois
Alex, Nick E.....	Cleveland, Ohio
Andryauskas, Frank.....	Cicero, Illinois
Appelthum, J. Myron.....	Cottonwood, Minnesota
Apostle, Harry.....	Athens, Greece
Argudin, Raul.....	Habana, Cuba
Arslanian, Arslan.....	Cleveland, Ohio
Baptista, Alfonso.....	Mexico, Mexico
Balaban, V.....	Clinton, Indiana
Bandzevicus, John.....	Lowell, Massachusetts
Barkley, Jett.....	Valparaiso, Indiana
Bartlett, Walter.....	Des Moines, Iowa
Batkevich, Frank.....	Chicago, Illinois
Beaudry, W. D.....	Valparaiso, Indiana
Brinker, Laura.....	Winamac, Indiana
Bennett, Claude L.....	Valparaiso, Indiana
Bennett, Hubert S.....	Blue Mound, Illinois
Bennett, Thomas J.....	Valparaiso, Indiana
Berkem, L.....	Buffalo, New York
Blaskewcus, Simon.....	Pittsburgh, Pennsylvania
Blaskovich, John.....	St. Charles, Illinois
Bliza, Chas.....	Chicago, Illinois
Blozis, George.....	Chicago, Illinois
Bogdanoff, Nikola.....	Chicago, Illinois
Boyers, Michael.....	St. Charles, Illinois
Brown, Belle.....	Chicago, Illinois
Bryner, Eudora K.....	Center, Point, Iowa
Bugenis, Julian.....	Kankakee, Illinois
Burr, Roy.....	Chicago, Illinois
Bussard, E. J. H.....	Middletown, Maryland
Canal, Augusto.....	Janja, Peru, S. A.
Cavic, Dimitrio.....	Ricka, Croatia
Cloud, Albert.....	Valparaiso, Indiana
Coleman, Nancy.....	Wheatfield, Indiana
Conklin, John I.....	Knox, Indiana
Crippen, Elijah.....	Cairo, Illinois
Cuellar, Jose Antonio.....	Esperanza, Cuba
Czachevski, John.....	Chicago, Illinois
Czarney, Joseph G.....	Chicago, Illinois
Darnkauskas, Joseph.....	Springfield, Ohio
Dickens, Howard.....	Paxton, Illinois
Dixon, Alphonse Y.....	Cleveland, Ohio

Dooman, Esther.....	Yonkers, New York
Dorn, Dora.....	East St. Louis, Illinois
Downward, Richard, Jr.....	Anderson, Indiana
Doyle, Will F.....	Menominee, Michigan
Druggers, Allen.....	Dayton, Ohio
Duran, Ezequias.....	Villaeusca, Spain
Edison, Isador.....	Danville, Virginia
Eskala, Eric.....	Long Beach, California
Essenberg, Mrs. Maude.....	Valparaiso, Indiana
Fenell, Everett R.....	Pekin, Indiana
Fernandez, Graciano.....	Orente, Spain
Filahoff, Peter.....	Gudgeno, Bulgaria
Fink, Martha E.....	Pittsburgh, Pennsylvania
Fischer, Ione M.....	Greenfield, Indiana
Fontis, Christ.....	Chicago, Illinois
Galter, Pauline.....	Chicago, Illinois
Gapshis, Charlotte.....	Chicago, Illinois
Gasiorowski, Adam.....	Detroit, Michigan
Goodman, Clara.....	Chicago, Illinois
Goldsmith, H. I.....	Senatobia, Mississippi
Gomez, Victor.....	Ollerros, Lugo
Gonzalez, Ramon.....	Manzanillo, Cuba
Gorton, Ernest H.....	Lansing, Michigan
Greenslade, Robert.....	Banes, Cuba
Graus, Matthew.....	Dubuque, Iowa
Gricius, Daniel.....	Chicago, Illinois
Grzybowski, Florian.....	Providence, Rhode Island
Grzanskas, Joseph.....	Detroit, Michigan
Hanson, Charlotte.....	Leland, Illinois
Hardy, Edmond.....	Detroit, Michigan
Hawkins, Mrs. G. W.....	Santa Ana, California
Heins, Esther.....	Boston, Massachusetts
Heyl, Lillian.....	Meadville, Pennsylvania
Hoffman, Carlton.....	Valparaiso, Indiana
Holmes, John.....	Biwabik, Minnesota
Hurd, William.....	Verdon, South Dakota
Haji-Janian, Haig.....	Amassia, Armenia
Jankauskas, John.....	Joliet, Illinois
Jacalne, Bonifacio.....	Danville, Illinois
John, Clem.....	Dubuque, Iowa
Jones, Richard.....	Valparaiso, Indiana
Jozwick, Joseph.....	Lewiston, Maine
Kackman, Charles.....	Finland
Kalin, Urho.....	Virginia, Minnesota
Kalyta, Andrew.....	Gary, Indiana
Kareckas, A.....	Grand Rapids, Michigan
Kaunas, J.....	Plymouth, Pennsylvania
Keserovskis, Joseph.....	Mason City, Iowa
Kevarkian, Krickia.....	Detroit, Michigan
Kneita, Peter.....	Plunge, Russia
Koivisto, Evald.....	Chicago, Illinois
Korn, Ardena.....	Riverside, Illinois
Korn, Ella C. K.....	Riverside, Illinois
Kovacic, Paul.....	Indiana Harbor, Indiana
Kraine, Ludwig.....	Summit Argo, Illinois
Kutcher, Joe.....	Platte, South Dakota
Kuusisto, Nestor.....	Port Arthur, Canada
Lardy, Marguerite.....	Sentinel Butte, North Dakota
Lark, Alina.....	Virginia, Minnesota
Lamotte, Robert.....	Clifton, Illinois
Leinanan, John.....	Hanover, Michigan
Liljeroos, Martti.....	Nengaunee, Michigan
Lincicone, Raymond.....	Gary, Indiana
Logue, Clare.....	Merrillan, Wisconsin
Long, Vallie.....	Lakeville, Indiana
Lopatto, Severious.....	Ponevicz, Poland
Lowe, Dorothy.....	North Judson, Indiana
Lowe, Willard.....	North Judson, Indiana
McColl, C. J.....	St. Edwards, Nebraska
McCrary, Mrs. Gladys.....	Mystic, Iowa
McNees, Olive.....	Bedford, Iowa

Malenski, Stanley.....	Toledo, Ohio
Malest, George.....	Lorain, Ohio
Mantkus, Rose.....	Chicago, Illinois
Manzua, Mary.....	Chicago, Illinois
Masiokas, Peter.....	Chicago, Illinois
Matson, Hulda.....	Chicago, Illinois
Mekutena, Louis.....	Cicero, Illinois
Mendelssohn, Jacob.....	Detroit, Michigan
Merritt, Fern.....	Seymour, Iowa
Meyers, P.....	Mohawk, Tennessee
Mocking, John.....	Warsaw, Poland
Moise, Lee.....	Gary, Indiana
Molleda, Jose.....	Sanlander, Spain
Molochko Max, Anna.....	Detroit, Michigan
Montvill, Peter.....	Petrograd, Russia
Moore, Mrs. E. B.....	Evanston, Illinois
Morse, Charles.....	Beacon, Michigan
Motiejaitis, Martha.....	Grand Rapids, Michigan
Navarrete, Claudio A.....	Chiclayo, Peru, S. A.
Nagode, Frank.....	Dubuque, Iowa
Navoychik, Felix.....	New York, New York
Nielson, Einar E.....	Newport News, Virginia
Nishimura, Hideichi.....	Hilo, Hawaii
Nojun, C. S.....	South Bend, Indiana
Noon, Minnie.....	Chicago, Illinois
Novotny, Mirie.....	Chicago, Illinois
Olsen, Grant C.....	Chicago, Illinois
Paige, Orville.....	West Union, Pennsylvania
Palagyi, Julia.....	Duquesne, Pennsylvania
Paplawski, Theodore T.....	Racine, Wisconsin
Pasakarnis, Joseph L.....	Lawrence, Massachusetts
Peterson, Selman A.....	Chicago, Illinois
Petrokas, John.....	Cicero, Illinois
Pigurski, Samuel.....	Sipooka, Russia
Pitt, Harry.....	Chicago, Illinois
Popoff, Vasil.....	Dumberry, Macedonia
Purtell, Alice I.....	Chicago, Illinois
Pusiniute, Grace.....	Lawrence, Massachusetts
Rabinovitch, Abraham.....	Smoleusk, Russia
Raca, Joseph.....	Cleveland, Ohio
Rantanen, Oscar.....	Marquette, Michigan
Rapp, Anna.....	Chicago, Illinois
Rasimavricius, Albinas.....	Blanford, Indiana
Reck, Arnold.....	Chicago, Illinois
Rentfro, Hazel L.....	Chicago, Illinois
Rimonys, Frank.....	Rockford, Illinois
Robey, Morris.....	Cleveland, Ohio
Rock, Dominic.....	Garv, Indiana
Rusko, Mamie A.....	Arthyde, Minnesota
Rybokas, N.....	Chicago, Illinois
Sabor, Samuel.....	Kansas City, Missouri
Sahakian, P. A.....	Indianapolis, Indiana
Saloma, Arvid.....	Johns Wood, Michigan
Sanan, George.....	Petrograd, Russia
Sandahl, Fritiof.....	Rockford, Illinois
Scaduto, Bennie.....	Chicago, Illinois
Schrey, Sylvia S.....	Port Arthur, Canada
Scott, Harriet L.....	Argos, Indiana
Seaburg, Elin M.....	Chicago, Illinois
Sheffield, Mrs. Dora.....	Valparaiso, Indiana
Sherwood, Lewis S.....	San Angelo, Texas
Sigler, Frank.....	Gary, Indiana
Simpson, T. S.....	Shelby City, Kentucky
Sinitzkiy, Jacob.....	Chicago, Illinois
Slakis, N.....	Chicago, Illinois
Slapialis, Emil.....	Gary, Indiana
Slikas, Jacob.....	Boston, Massachusetts
Smith, Arthur.....	Grand Marais, Minnesota
Samoshka, A.....	Chicago, Illinois
Snachodsky, Mrs. A.....	Chicago, Illinois
Sosnowski, Geo. W.....	Gary, Indiana

Specionas, Adolf.....	Chicago, Illinois
Speys, Drosos.....	Chicago, Illinois
Spurgeon, M. Ethel.....	Avon, Illinois
Starkman, Bessie.....	Chicago, Illinois
Steger, Kathryn.....	Bloomington, Illinois
Stipumont, Daniel T.....	Indiana Harbor, Indiana
Sterrenberg, J. W.....	Gilman, Illinois
Stone, Edwin A.....	San Francisco, California
Strazdas, Peter.....	Lawrence, Massachusetts
St. Germain, Wilfred.....	Winnepeg, Canada
Sudar, Joseph.....	Gary, Indiana
Svetanoff, George.....	Gary, Indiana
Tamochites, Stanley J.....	Chicago, Illinois
Tervonen, Catherine.....	Chicago, Illinois
Theodoroff, Jordan.....	Detroit, Michigan
Thompson, Nora E.....	Kenosha, Wisconsin
Thompson, Percy W.....	Hammond, Indiana
Tuuri, Thomas.....	Monessen, Pennsylvania
Turpen, Aino.....	Detroit, Michigan
Urbaites, Mary.....	Foxcraft, Maine
Urdescu, John.....	Indiana Harbor, Indiana
Ureon, Charles.....	Melrose Park, Illinois
Vaitekunas, Peter.....	Detroit, Michigan
Van Tilburg, Addie.....	Empire, Ohio
Vitkus, Anna B.....	Chicago, Illinois
Walton, Alma B.....	Hebron, Indiana
Winslow, Jasper.....	Gary, Indiana
Wood, Kate W.....	Hedrick, Iowa
Wright, Mrs. C. L.....	Butler, Missouri
Yancich, Frank.....	Whiting, Indiana
Yoodish, Walter.....	Rockford, Illinois
Ynoszis, Charles J.....	Chicago, Illinois
Zaldakas, Michael.....	Chicago, Illinois
Zemeites, Frances.....	Chicago, Illinois
Zeno, George.....	Chicago, Illinois
Zilvitis, Barbara.....	Chicago, Illinois
Zilvitis, Mathew J.....	Chicago, Illinois
Zolumskis, Bruno.....	Chicago, Illinois
Zviblis, Anton J.....	Chicago, Illinois

REVIEW FOR TEACHERS

Adams, Griff.....	Sharpsville, Indiana
Andersen, Elizabeth.....	Florence, Wisconsin
Ault, Fay O.....	Momence, Illinois
Ballenger, Litha.....	Valparaiso, Indiana
Barnsdale, Faye.....	Clymers, Indiana
Beatty, George Dewey.....	Sharpsville, Indiana
Bourelle, Verdabelle.....	Manteno, Illinois
Brown, W. Guy.....	Decatur, Indiana
Budd, Elizabeth Jane.....	Medaryville, Indiana
Calloway, Paul E.....	Frankfort, Indiana
Cotner, Sadie.....	Lake Cicott, Indiana
Cox, Valerie.....	Shawtown, Ohio
Creel, Floyd B.....	Garrett, Indiana
Crumley, Arvilla V.....	Veedersburg, Indiana
Cupp, H. N.....	Ava, Illinois
Cyr, A. Geo.....	Kankakee, Illinois
Cyrier, Bernadette.....	Manteno, Illinois
Delahanty, Lila.....	Wheatfield, Indiana
Dolan, Margaret.....	Kankakee, Illinois
Donahue, Marie M.....	Martinton, Illinois
Donahue, Rose.....	Martinton, Illinois
Downing, D. M.....	Waverly, Iowa
Drake, Donald.....	Portland, Indiana
Farfan, Robert F.....	Bolivia, S. A.
Gates, Hildegrade.....	Lucerne, Indiana
Geesa, Mattie E.....	Fair Oaks, Indiana
Gibbs, Olive R.....	Hebron, Indiana
Gohdes, Hilda.....	Michigan City, Indiana

Greene, Kathryn.....	Osceola, Arkansas
Guest, Inez.....	Reddick, Illinois
Guest, Mildred.....	Reddick, Illinois
Hagerty, Eleanor.....	South Bend, Indiana
Hall, Josephine.....	Valparaiso, Indiana
Hanon, John E.....	Morrisonville, Illinois
Hemphill, J. D.....	Cannelton, Indiana
Hoffman, Sherman.....	Knox, Indiana
Homfeld, Minnie.....	Valparaiso, Indiana
Horsch, Helen.....	Grant Park, Illinois
Jackson, Alice Marie.....	Momence, Illinois
Johnson, Mrs. J. C.....	Houston, Texas
Jones, C. R.....	Deedsville, Indiana
Jones, Nellie.....	Rolling Prairie, Indiana
Keigher, Hattie L.....	Manteno, Illinois
Keigher, Ruth M.....	Manteno, Illinois
Kelly, Fern.....	Greenwood, Indiana
Kimmet, Leo.....	Lowell, Indiana
Lambert, Clara.....	Indianapolis, Indiana
Lathrop, John H.....	Sheffield, Illinois
Laudeman, Vida M.....	Plymouth, Indiana
Lawson, Mrs. M. D.....	Little Rock, Arkansas
Layman, Ada.....	Yale, Illinois
Lloyd, Beatrice.....	Steuenville, Ohio
McDonald, Ethel.....	Essex, Illinois
McIntyre, Carrie.....	Staunton, Illinois
McMurray, Lerea C.....	Francesville, Indiana
Marvin, Elsie.....	Battle Creek, Michigan
Menzie, Bertha.....	Michigan City, Indiana
Mescher, Mrs. Anna.....	Round Knob, Illinois
Meyers, Alice E.....	Wheatfield, Indiana
Meyer, Frank.....	Pulaski, Indiana
Miller, Irma B.....	Martinton, Illinois
Miller, Wilma F.....	Crofton, Nebraska
Misch, Gertrude.....	Wheatfield, Indiana
Monahan, M. J.....	Cleveland, Ohio
Morgan, Olive.....	Ambia, Indiana
Mulligan, Margaret.....	Essex, Illinois
Murphy, Ellen.....	Kankakee, Illinois
Murray, Grace.....	Hobart, Indiana
Mussman, Martha.....	Grant Park, Illinois
Nichols, Florence E.....	Kouts, Indiana
Nichols, Jennie M.....	Elyria, Ohio
Northrup, Joy.....	Colfax, Indiana
Ols, Bessie.....	Crown Point, Indiana
O'Reilly, Marie.....	Brook, Indiana
Ortman, Pearl M.....	Martinton, Illinois
Osner, Grace.....	Reynolds, Indiana
Ottman, Othello O.....	Hamilton, Ohio
Patterson, Margaret Marion.....	Columbus, Ohio
Pentecost, Lois.....	Newcastle, Indiana
Perkins, Mary.....	Bourbon, Indiana
Peterson, Perry S.....	Rolling Prairie, Indiana
Potts, Ferrol.....	Morocco, Indiana
Protsman, Roscoe.....	Morocco, Indiana
Putnam, Irene V.....	Whiting, Indiana
Ragon, Max L.....	Lowell, Indiana
Rands, Ethel.....	Valparaiso, Indiana
Record, Nellie.....	Medaryville, Indiana
Revelle, T. L.....	Conway, North Carolina
Rieke, Ruth.....	Reddick, Illinois
Robinson, Elizabeth.....	New Albany, Indiana
Robinson, M. Glenn.....	Reddick, Illinois
Ross, Paul P.....	Hebron, Indiana
Sales, Vista.....	Roaring River, North Carolina
Savage, J. Lawrence.....	Reddick, Illinois
Shankle, Geo. E.....	Jackson, Tennessee
Shaw, Nellie.....	LaPorte, Indiana
Shеды, Ruth.....	Fowler, Indiana
Shreffler, Cora.....	Bonfield, Illinois
Shreffler, Mabel.....	Bonfield, Illinois

Sigsworth, Lotta J.....	Kewanee, Illinois
Skinner, Arlene L.....	Essex, Illinois
Smith, Bella B.....	New Albany, Indiana
Smith, E. P.....	Larwill, Indiana
Smith, Evelyn.....	Essex, Illinois
Stoner, Alvin.....	Morocco, Indiana
Strom, Esther T.....	Miller, Indiana
Swartzel, Geraldine G.....	Logansport, Indiana
Tayhe, F. A.....	Mt. Sterling, Illinois
Thielen, Anna.....	Kewanee, Illinois
Thielen, Emma.....	Kewanee, Illinois
Tomer, Mrs. Nellie A.....	Springfield, Illinois
Uncapher, Otice I.....	Grovertown, Indiana
Virgin, Mabel.....	Virginia, Illinois
Weist, Cynthia.....	Milford, Illinois
Werner, Mabel.....	Francesville, Indiana
Westerlin, Mrs. Elizabeth.....	Cheneyville, Illinois
Whiteley, Virginia.....	Chicago, Illinois
Williamson, Leona.....	Valparaiso, Indiana
Wilson, Grace.....	Wheeler, Indiana
Witt, Mrs. D. T.....	Morristown, Tennessee
Young, Emma L.....	Medaryville, Indiana
Young, George N.....	Princeton, West Virginia
Young, Ida.....	Princeton, West Virginia
Young, Mrs. Maude.....	Millwood, West Virginia

COMMERCIAL

BOOKKEEPING, PHONOGRAPHY AND TYPEWRITING

Adams, Clara L.....	Clifton, Illinois
Adsit, Charlotte.....	Valparaiso, Indiana
Albino, D. J.....	Gary, Indiana
Albino, N. J.....	Gary, Indiana
Aleman, Guillermo.....	Balearcic Is., Spain
Alex, Alexander J.....	Chicago, Illinois
Alex, Nick E.....	Cleveland, Ohio
Allen, Ernest.....	Ball Ground, Georgia
Alvarez, Benigno.....	Rio Canto, Cuba
Arcela, George.....	Medellin, Columbia, S. A.
Arringdale, John A., Jr.....	Baltimore, Maryland
Asselin, Rudolph.....	Norway, Michigan
Baichley, Grover.....	Toledo, Illinois
Bailey, Frank H.....	Stigler, Oklahoma
Ball, Jeanne Irene.....	Valparaiso, Indiana
Bamber, Florence L.....	Detroit, Michigan
Barber, John E.....	Flint, Michigan
Barragan, Joaquin.....	Bogota, S. A.
Barchi, Anthony D.....	Dalzell, Illinois
Barton, Orpha.....	Mt. Ayr, Indiana
Belcher, Laura.....	Berlin, Wisconsin
Belew, H. R.....	Atwood, Tennessee
Bennett, Ralph S.....	Blue Mound, Illinois
Berg, Elmer.....	Baraga, Michigan
Berg, Melvin.....	Madison, Minnesota
Bigler, Lawrence.....	LaCrosse, Indiana
Blackburn, Pearl.....	Paris, Illinois
Bloomhart, Charles F.....	Amarillo, Texas
Boes, Christena.....	Sturgeon Bay, Wisconsin
Bohanan, John L.....	Goodland, Indiana
Bolin, Beulah.....	Chicago, Illinois
Bonebrake, Lawrence Dewey.....	Stockton, Kansas
Bradford, Livy.....	Park Rapids, Minnesota
Breazzano, John.....	Brooklyn, New York
Briggs, C. Earle.....	Martinsville, Ohio
Brock Clara A.....	Stephenson, Michigan
Brooks, Roy E.....	Remington, Indiana
Brown, Anna.....	Valparaiso, Indiana
Brummitt, Stella.....	Valparaiso, Indiana
Bryan, Nola.....	Monroe, Indiana
Bunyard, Prince W.....	Farmer City, Illinois

Burkhart, Beulah.....	Valparaiso, Indiana
Burns, Cecile.....	Russellville, Arkansas
Butterfield, Alva E.....	DeTour, Michigan
Cain, Grace.....	Valparaiso, Indiana
Caines, Maude.....	Couder, Kentucky
Caines, Myrtle.....	Couder, Kentucky
Calibart, Florencio.....	Chile, S. A.
Carlson, Viola R.....	Allport, Pennsylvania
Castro, de Manuel Martinez.....	Habana, Cuba
Cavill, Wilbur M.....	Galata, Montana
Chavez, Leo.....	Cubera, New Mexico
Chier, Morris.....	Bricelyn, Minnesota
Childress, Ray.....	Oskaloosa, Iowa
Chomish, Theo.....	Youngstown, Ohio
Clem, Stanley.....	Thompsonville, Illinois
Colburn, Elizabeth.....	Nemaha, Iowa
Colegrove, Dolpha.....	Kansas City, Missouri
Collett, Lucile.....	Cokeville, Wyoming
Cook, Gladys.....	Willcox, Arizona
Coonrod, Paul.....	Buffalo, Indiana
Corneau, Edith A.....	Evanston, Illinois
Costigan, Leo F.....	Chebanse, Illinois
Cox, Eva M.....	Fairmont, West Virginia
Crile, Blanche B.....	Youngstown, Ohio
Crump, Herman.....	Myers, Kentucky
Culver, Georgia.....	Cambridge, Nebraska
Daehn, Faith C.....	Tupper Lake, New York
DeArmond, Joseph M.....	Cubero, New Mexico
Dey, Paul.....	Sprague, Washington
Doane, Phoebe C.....	Springfield, Massachusetts
Donaldson, Mrs. A. D.....	Morocco, Indiana
Dorn, Fred.....	Pana, Illinois
Dotterer, Kenneth L.....	Loree, Indiana
Drescher, Lillian.....	Chicago, Illinois
Duncan, Joseph L.....	Briceville, Tennessee
Dunne, Michael.....	Stanton, Missouri
Dunne, Teresa.....	Stanton, Missouri
Dwan, Alta F.....	Lincoln, Nebraska
Earll, Clare B.....	Paw Paw, Michigan
Edwards, Ellen C.....	Princeville, Illinois
Edwards, Irene.....	Coleman, Georgia
Ekrem, M.....	Tebritz, Persia
Elmer, Mrs. F. R.....	Valparaiso, Indiana
Endler, Louise.....	Chicago, Illinois
Eurit, Mrs. D. H.....	Curtin, West Virginia
Faucette, Elizabeth.....	Burlington, North Carolina
Field, Maude.....	Valparaiso, Indiana
Fink, Orville C.....	Bricelyn, Minnesota
Flanagan, James.....	Springfield, Illinois
Fletcher, Everett J.....	Knox, Indiana
Franklin, Oda O.....	Childress, Texas
Franz, Arthur.....	Macuto, Ven., S. A.
Forester, Susie C.....	Ramsey, Illinois
Foxhoven, G. J.....	Varina, Iowa
Fuhrman, Minnie.....	Cherokee, Iowa
Garling, Alma.....	Francesville, Indiana
Geffert, Geo. F.....	Mishawaka, Indiana
Gonzalez, Rafael.....	Santando, Spain
Gordner, Hazel Lyda.....	Chicago, Illinois
Gorman, Margaret.....	Bloomington, Illinois
Grabruck, Elnora.....	Staunton, Illinois
Graessle, Norma.....	Chesterton, Indiana
Gramling, Eugene L.....	Dousman, Wisconsin
Graves, Boyd.....	Valparaiso, Indiana
Graves, Maude L.....	Valparaiso, Indiana
Graves, Opal.....	Trinidad, Colorado
Green, Maude.....	Valparaiso, Indiana
Greenberg, James D.....	Galveston, Texas
Greenwood, Ray.....	Hickory Ridge, Arkansas
Grenge, Albert.....	Minneapolis, Minnesota
Grove, Verna V.....	Plover, Iowa

Guidi, Modesto F.	Banes, Cuba
Guier, Quint T.	Farmington, Kentucky
Gutierrez, J.	Alquizar, Cuba
Hamacher, Virginia	Lowell, Indiana
Hamell, Dwight	Morrisonville, Illinois
Handschiegel, Carolyn	Crawford, Nebraska
Hanson, Clifford J.	Whitehall, Wisconsin
Harden, Geo. F.	Knox, Indiana
Harris, Luther	Clifty, Tennessee
Harshbarger, Lee	Claypool, Indiana
Hartikainen, Kosti	Ashtabula, Ohio
Haverson, Harold W.	Norfolk, Nebraska
Heinl, Andrew E.	Meriden, Iowa
Heino, Arne	Allston, Massachusetts
Hermansen, Allin	Mass, Michigan
Hershey, Ruth	Allendale, Illinois
Hess, Edward A.	Albion, Nebraska
Hetrick, Francis H.	DuBois, Pennsylvania
Hicks, Harley	Linden, Wisconsin
Hill, Amelia, J.	Monroe, Louisiana
Hillenbrand, Mildred	Stiles, Pennsylvania
Himebaugh, A. C., Jr.	Burr Oak, Michigan
Hineline, Nora	Chesterton, Indiana
Hoff, Leroy C.	Culver, Indiana
Hoffman, Marie	Valparaiso, Indiana
Holt, Leonard H.	Brookport, Illinois
Hoover, Mae	Union City, Indiana
Hornbeck, Melvin D.	Royal Center, Indiana
Hrisney, Josephine	Barnesboro, Pennsylvania
Hubbell, W. L.	Valparaiso, Indiana
Jackson, Mrs. W. D.	Little Rock, Arkansas
Jared, Maude	Baxter, Tennessee
Johnson, Worth	Boswell, Indiana
Jones, L. A.	Arrowsmith, Illinois
Jungjohann, Anna	Valparaiso, Indiana
Junod, John L.	Greenville, Illinois
Kellam, Robert L.	Franktown, Virginia
Kerth, Dan	Racine, Wisconsin
Kigin, Leo S.	Sharpsville, Indiana
Klingensmith, Lucile	Washington, Indiana
Klopf, Edward Lloyd	Elizabeth, Illinois
Knight, Elmer	Climax, Georgia
Knowlton, Gilbert A.	St. James, Minnesota
Kraensler, Frederick	Streeter, North Dakota
Kral, Geo. S.	Chicago, Illinois
Kylonen, Leo	Mass, Michigan
Lackman, Viola M.	Camp Grove, Illinois
LaHue, Anna E.	Cairo, Illinois
Langdon, M. E.	Reform, Alabama
Larkin, Mary A.	Chicago, Illinois
Lauer, Etta	Winfield, Iowa
Lauridsen, Ernest W.	Clifton, Illinois
Lawson, Mrs. Raymond	Philadelphia, Pennsylvania
Leach, T. E.	Atwood, Tennessee
LeBlanc, Ruby	Port Arthur, Texas
Lenker, James P.	Dubuque, Iowa
Lerch, Mary E.	Sligo, Pennsylvania
Lewis, Dorothy K.	Hot Springs, Arkansas
Lewis, Ruth	Kalispell, Montana
Lien, Arthur	LaCrosse, Wisconsin
Ludington, Martha	Valparaiso, Indiana
Lunde, Mabel	Marshalltown, Iowa
McCammon, George B.	Carlisle, Indiana
McFadden, Ruby L.	Kankakee, Illinois
McMahon, Robert J.	Richfield, Idaho
McNiece, Helen	Valparaiso, Indiana
Marimon, Sarah C.	Valparaiso, Indiana
Marlay, Inez L.	LaPorte, Indiana
Martinez, Manuel G.	Oviedo, Spain, (Asturias)
Martisius, Joseph	Pittsburgh, Pennsylvania
Mays, G. H.	Kokomo, Indiana

Merriam, Mrs. M. H.	Valparaiso, Indiana
Merwin, Genevieve	Frederickstad, Virgin Islands
Mescher, John H.	Round Knob, Illinois
Miner, Mildred L.	Pana, Illinois
Mintner, Edna S.	Attica, Indiana
Moore, Hazel	Parsons, Pennsylvania
Moreau, Orpha	Niagara, Wisconsin
Moss, Lee	Iola, Illinois
Moten, Chas. B.	Western Grove, Arkansas
Mueller, Ernest	Watseka, Illinois
Myers, Edna	Culver, Indiana
Napier, J. W.	Climax, Georgia
Naves, Geo.	Columbia, S. A.
Neely, Cyrus	Hamletsburg, Illinois
Nelson, Emil S.	Rockford, Illinois
Nevala, Henry	Telluride, Colorado
Newton, Miles O.	Toulon, Illinois
Newtonson, Delbert	Milford, Illinois
Nielsen, Anna	Chicago, Illinois
Norwas, Walter S.	Chicago, Illinois
Nurko, Gertrude E.	Boyne City, Michigan
O'Connor, Clarence	Chebanse, Illinois
Ohlfest, Edw.	Valparaiso, Indiana
Olson, Ralph	Valparaiso, Indiana
O'Neil, Valera B.	Allegan, Michigan
Osborn, Russell W.	So. Sterling, Pennsylvania
Page, Mrs. S. E.	Efingham, Illinois
Pahl, Louis	Valparaiso, Indiana
Parrish, Carl J.	Fairmont, Illinois
Partelowe, Juanita	Rulo, Nebraska
Pekuri, Chas. J.	Beacon, Michigan
Pernot, Vivian	Indianapolis, Indiana
Peterson, Arthur F.	Brainerd, Minnesota
Pile, Roy J.	Shelbyville, Indiana
Pinter, Viola	Valparaiso, Indiana
Platt, Melvin C.	Bringham, Indiana
Porter, Richard T.	Blair, Wisconsin
Puranen, Henry	Superior, Wisconsin
Quear, Chester	Atlanta, Indiana
Raue, Leone	Crystal Lake, Illinois
Reardon, M. Ferne	Cisco, Illinois
Renberger, Rachael	Logansport, Indiana
Rexwinkel, Glenn	LaCleda, Illinois
Richman, Eva L.	Villa Grove, Illinois
Ridgway, Ruth K.	Titusville, Pennsylvania
Ritz, Gladys	Valparaiso, Indiana
Roberts, Arlie E.	Marbleton, Wyoming
Ross, Vida	Wabash, Indiana
Rowell, Margaret	Valparaiso, Indiana
Ruge, Irene	Valparaiso, Indiana
Rukstalis, Vincent	Pittston, Pennsylvania
Ryan, Anna	Merrill, Michigan
Saidy, Ernest K.	Chicago, Illinois
Sanchez, J. M.	Valencia, New Mexico
Sanderson, Flora	Rockfield, Indiana
Sausaman, Mrs. C. E.	Peru, Indiana
Savolainen, Mary M.	Virginia, Minnesota
Schmidt, E. M.	Truman, Arkansas
Schwinkendorf, Laura	Valparaiso, Indiana
Scott, J. Arthur	Argos, Indiana
Seemel, Alfred J.	Melrose Park, Illinois
Shaw, Rose	Williamsburg, Iowa
Sherwood, Roy	Valparaiso, Indiana
Siefers, Mabelle M.	LaFayette, Indiana
Siemioutkowski, Cecilia	Valparaiso, Indiana
Sisk, John	Kirklin, Indiana
Sims, Mary	Chicago, Illinois
Sjahlom, Hulda M.	Worthington, Minnesota
Skaer, Georgia	Tamaroa, Illinois
Skaggs, Ruth	Hobart, Indiana
Slattery, Viva	St. Joseph, Michigan

Slomp, Luther S.	Olinger, Virginia
Smith, Frank B.	Willow Hill, Illinois
Smith, Gordon	Kouts, Indiana
Sobieski, Frank	Chicago, Illinois
Sowers, Bertha	Atlanta, Indiana
Sparks, Faylodene	Valparaiso, Indiana
Specht, Clarence	Valparaiso, Indiana
Sparrow, R. P.	Chicago, Illinois
Stafford, Glenn B.	Lansing, Michigan
Stanish, Alexandria	St. Charles, Illinois
Stephens, Gladys	Robinson, Illinois
Stetler, C. R.	Kokomo, Indiana
Stinson, J. Roland	Hammond, Indiana
Stockton, Minnie	Clovis, New Mexico
Stoddard, Veda	Melba, Idaho
Stone, Carl B.	Stoneville, North Carolina
Sullivan, Anna	Chicago, Illinois
Sutherland, Marion	Remington, Indiana
Sweeney, Emily Charlotte	Elwood, Indiana
Tanner, Lillian Rose	Kankakee, Illinois
Terhune, Fred	Greenwood, Indiana
Thain, James	Buckie, Scotland
Thomas, Andrew	Csenger, Austria
Thompson, Robert B.	Amarillo, Texas
Tobin, Helene A.	Wakefield, Michigan
Tong, Burton T.	Shanghai, China
Torres, Antoine, Jr.	Allemands, Louisiana
Walsh, W. F.	Springfield, Illinois
Walton, Reese	Kokomo, Indiana
Webb, Bonnie	Valparaiso, Indiana
Weedman, Otto	Bement, Illinois
Welle, Frank L.	Crede, Colorado
Werner, Althea M.	Dubuque, Iowa
Westfall, Bertha	Grayville, Illinois
Wetter, Bessie	Clarion, Iowa
Wetter, Emily	Benton Harbor, Michigan
Whalon, Eileen B.	Toledo, Ohio
Wildasin, Jay A.	Kentland, Indiana
Willard, Thelma	Rock Creek, Ohio
Williams, Florence	Hot Springs, Arkansas
Williams, Leone E.	Valparaiso, Indiana
Wilson, Alta	Sullivan, Illinois
Wilson, Mrs. Edward L.	St. Ignatius, Montana
Wones, Marie	Warsaw, Indiana
Woodrun, Clarence	Galva, Illinois
Worstell, Estey	Valparaiso, Indiana
Yerex, Max M.	Valparaiso, Indiana
Yewell, Morgan R.	Bardstown, Kentucky
Yoder, D. Dwayne	Shipshewana, Indiana
Young, Bess	Russellville, Arkansas
Young, Jessie E.	Paris, Illinois

HIGH SCHOOL

Adams, James	McIntyre, Pennsylvania
Ahbol, F. J.	Seattle, Washington
Ahern, Walter L.	Logansport, Indiana
Allen, Stanley E.	Tower, Minnesota
Anderson, Alonzo L.	Summerville, Pennsylvania
Anderson, William	Valparaiso, Indiana
Anger, Lorraine	Fergus Falls, Minnesota
Andrulevitch, W. J.	Cleveland, Ohio
Arabiran, Angeles S.	Meycawayan, Philippine Islands
Arias, Arnulfo	Penonone, Panama
Atherton, Lillian	Idaville, Indiana
Atteberry, A. N.	Ooltewah, Tennessee
Ayers, Robert	Lewiston, Montana
Backes, John T.	White Lake, South Dakota
Bagdoian, Yervae	Detroit, Michigan
Bailey, Orwell	Cedar Falls, Iowa
Baker, Nelson C.	Midland, Michigan

Ballard, Martis O.	Forest Park, Georgia
Banger, Alex K.	Chicago, Illinois
Barchi, Mundo.	Dalzell, Illinois
Bashura, Z. E.	Detroit, Michigan
Basile, Frank.	Chicago, Illinois
Beaudet, J. A.	Munson, Canada
Bechtel, Grace E.	Rock Island, Illinois
Becker, Freda.	Blue Island, Illinois
Bell, Edwin.	Canton, North Carolina
Belskis, Anton.	Chicago, Illinois
Bennett, George.	Valparaiso, Indiana
Berg, Benjamin W.	Chicago, Illinois
Bettinger, Leona F.	Milwaukee, Wisconsin
Bimbo, Antony.	Kouno, Lithuania
Block, Bertha N.	Chicago, Illinois
Bowman, Marcus A.	Proctor, West Virginia
Boyd, Wm. O.	Chicago, Illinois
Brauer, Martha.	Racine, Wisconsin
Breiner, Charles A.	Sciota, Illinois
Brennan, May.	Cantrall, Illinois
Brooks, L. R.	Delta, Alabama
Buehl, Rose.	Irvington, Illinois
Bullen, Charles.	Highland Park, Michigan
Burgan, L.	Ft. Wayne, Indiana
Burnett, Howard.	San Antonio, Texas
Burstein, Louis A.	Colchester, Connecticut
Butler, Geo. W.	Miami, Florida
Caines, C. Furner.	Ligonier, Pennsylvania
Caldwell, Janet.	Tyler, Texas
Callahan, J. F.	Coopersville, Michigan
Caplan, William.	Brooklyn, New York
Carter, Lloyd.	Ashland, Alabama
Chandler, W. J. B.	Ida, Louisiana
Chase, James Joseph.	Farmington, Minnesota
Childs, Esther J.	Portville, New York
Cibej, John.	Sokavec, Austria
Clark, Mrs. Annie I.	Atlanta, Georgia
Cleary, George C.	Elizabeth, New Jersey
Close, Jesse.	Frankfort, Indiana
Cloud, Arthur F.	Valparaiso, Indiana
Cogdal, Chester C.	Arkansas City, Arkansas
Cohn, Ralph.	Brooklyn, New York
Coleman, Hawes Lee.	Wallaceburg, Ontario, Canada
Cone, Veda.	Valparaiso, Indiana
Conklin, John A.	Knox, Indiana
Cooper, George G.	Clifton, New Jersey
Cooper, Gerald W.	Kirkpatrick, Indiana
Cottrell, R. J.	London, England
Cox, J. Murray.	Goldsboro, North Carolina
Cox, Willis B.	Hudson, Indiana
Crawford, Edison.	Cleveland, Ohio
Crouse, Ober D.	Stahlstown, Pennsylvania
Cuenza, F. A.	Barugo, Philippine Islands
Davidore, Emanuel Maurice.	Baltimore, Maryland
Davidson, Margaret.	Winnipeg, Manitoba, Canada
Davis, Carl.	Logansport, Indiana
DeBerge, Henry Wm.	Kenosha, Wisconsin
Dementis, Joseph.	Grand Rapids, Michigan
Dorney, Wm. M.	Allentown, Pennsylvania
Doty, Mrs. Minnie.	Roswell, New Mexico
Druth, Bertha.	Chicago, Illinois
Dunay, Maurice.	New York, New York
Durance, Frances.	Charlevoix, Michigan
Dworkin, Louis.	Detroit, Michigan
Edwards, Belle.	Fontanelle, Iowa
Ekendahl, Gideon E.	Chicago, Illinois
Eldridge, Frank S.	Shenandoah, Iowa
Elias, Joseph J.	Bay City, Michigan
Ellenberg, Jacob.	Minneapolis, Minnesota
Elmer, Fred R.	Monroe, Wisconsin
Erickson, Alice.	Galesburg, Illinois

Erps, Benjamin.....	New York, New York
Erwin, Luella D.....	Valparaiso, Indiana
Evans, Clarence B.....	Chicago, Illinois
Evans, Earle.....	Cottageville, West Virginia
Filipiak, Anthony A.....	Pittsburgh, Pennsylvania
Fink, Martha E.....	Pittsburgh, Pennsylvania
Ford, W. J.....	Chicago, Illinois
Fox, Dorothy L.....	Detroit, Michigan
Francia, Lorenzo.....	Bulacan, Philippine Islands
Frase, Earl.....	Daisy, Washington
Frazier, Walter I.....	Antioch, Illinois
Freda, James.....	Philadelphia, Pennsylvania
French, Carrie E.....	Prescott, Arizona
Frey, John G.....	Tripp, South Dakota
Fry, Hobart.....	Ina, Illinois
Fuller, C. Wayde.....	Knox, Indiana
Gadek, Michael.....	Chicago, Illinois
Gail, Jennie.....	Chicago, Illinois
Gannes, Harry.....	Chicago, Illinois
Ganzer, Charles.....	Chicago, Illinois
Gaymann, L. L.....	Omaha, Nebraska
Geaslen, Lillian M.....	Chicago, Illinois
George, Lawrence.....	East Chicago, Indiana
Gerholz, Minnie.....	Merrill, Wisconsin
Gould, Samuel M.....	New York, New York
Gowen, Jessie May.....	Brookston, Indiana
Graham, J. H.....	Hanover, Illinois
Graham, Roy S.....	Rockton, Illinois
Grover, Lawrence.....	Waterloo, Iowa
Grover, Maurice A.....	Cedar Falls, Iowa
Habecker, Daniel.....	Fort Wayne, Indiana
Haines, George.....	Sterling, Illinois
Hakala, Emily.....	Oakland, California
Halliday, Adair.....	Louisiana, Missouri
Halliday, E. B.....	Louisiana, Missouri
Hamilton, Berneita.....	Valparaiso, Indiana
Hammerback, Alice.....	Hanna, Indiana
Harding, Leander S.....	Newton, Massachusetts
Harlan, Inez.....	Reagan, Texas
Harmon, Thomas.....	Paducah, Kentucky
Hedebol, Fred.....	Schenectady, New York
Heineman, Lila.....	Valparaiso, Indiana
Heinfeldt, R. J.....	Monroeville, Indiana
Hembroff, Mildred F.....	Valparaiso, Indiana
Henderson, John William.....	Johnstown, Pennsylvania
Henshaw, Harry.....	Houtzdale, Pennsylvania
Herrel, Cora.....	Arlington, Iowa
Hill, Grace N.....	Texico, Illinois
Hill, Margaret.....	Owenton, Kentucky
Himmelman, Chas. H.....	Chicago, Illinois
Hobbs, Robert B.....	Ogden, Utah
Holland, R. C.....	Atlanta, Georgia
Hones, Dorothy G.....	Roscoe, New York
Hoover, Florence.....	Goshen, Indiana
Horst, Annette.....	Hayton, Wisconsin
Horst, Robert H.....	Hayton, Wisconsin
Hostetler, Doris.....	Mill Creek, Indiana
Hough, William E.....	Fort Monroe, Virginia
Hoxie, Robert O.....	Upper Montclair, New Jersey
Hullman, Ruth.....	Chicago, Illinois
Hyde, Frank.....	Valparaiso, Indiana
Jackelman, Emmanuel.....	Boston, Massachusetts
Jackson, Morris D.....	Talladega Springs, Alabama
Janus, Karl.....	Chicago, Illinois
Jasensky, Hugo G.....	Stoughton, Wisconsin
Jensen, Esther M.....	Arkdale, Wisconsin
Johnson, C. J.....	Hillsboro, Illinois
Johnson, Herbert A.....	Creighton, Nebraska
Johnson, John M.....	Valparaiso, Indiana
Jursa, S. J.....	Easthampton, Massachusetts
Karageorgeff, Mincho.....	Banisca, Bulgaria

Karbeling, David	Chicago, Illinois
Kazlauskas, K.	Grand Rapids, Michigan
Kell, Clarence R.	Menominee, Michigan
Kerpan, Joseph	Chicago, Illinois
Kittle, Edith	Newton, Illinois
Klusman, Oscar J.	New Salem, North Dakota
Knanishu, Luther	Rock Island, Illinois
Knight, Everett	Rosiclare, Illinois
Koczy, Semen	Chicago, Illinois
Kolodziej, Stanley	Chicago, Illinois
Komar, Samuel	Omaha, Nebraska
Kraft, Christian	Gilman, Illinois
Krueger, Louis H.	Michigan City, Indiana
Krywko, May	Sarnopol, Galicia
Kufferman, Bernard	Chicago, Illinois
Kuliemese, Anna	Whiting, Indiana
Ladevich, Michael N.	Chicago, Illinois
Ladner, John	Eureka, South Dakota
Lakin, Lura	Duluth, Minnesota
Layman, Ada	Yale, Illinois
Leary, Mollie B.	Laurium, Michigan
Lease, R. L.	Ponemah, Illinois
Lekis, Victor J.	Chicago, Illinois
Lester, Emmet E.	Rudy, West Virginia
Lindquist, C. G.	Cromwell, Minnesota
Linguist, Herbert	Cromwell, Minnesota
Lutz, Homer D.	Attica, Indiana
McDaniel, Grace	Boonville, Indiana
McDermott, Francis O.	Crescent City, Illinois
McDermott, J. E.	Crescent City, Illinois
Magnuson, Mrs. Carrie	Jamestown, New York
Makeever, Jane	Fair Oaks, Indiana
Maloney, Stephen	Amesbury, Massachusetts
Mandelin, Arvo	Moose Lake, Minnesota
Manghaya, Fausto M.	Manila, Philippine Islands
Marczak, Stanley	Attleboro, Massachusetts
Mason, Mrs. Carl	Risingsun, Ohio
Matthews, Doris	Buchanan, Michigan
Mavity, Earle	Valparaiso, Indiana
Mercer, Alma Emagene	LaMoille, Illinois
Mertz, B. J.	Hallettsville, Texas
Merwin, Harriet	Frederikstad, Virgin Islands
Migely, Fred	Chicago, Illinois
Migely, Wm. A.	Chicago, Illinois
Miller, Bell	Chicago, Illinois
Miller, Harrold T.	Roscoe, Illinois
Miller, Mary	Harrisburg, Arkansas
Miller, Morris	Chicago, Illinois
Miller, Theodore A.	Piper City, Illinois
Milner, Carlos Edgar	Pennville, Indiana
Miner, Alberta	Valparaiso, Indiana
Mix, George	Englewood, Illinois
Monroe, Edwin Alexander	Falmouth, Kentucky
Monroe, Verne, R.	St. Joe, Indiana
Montgomery, William J.	Detroit, Michigan
Moon, Minnie	Chicago, Illinois
Mudge, Pearl	Valparaiso, Indiana
Mygo, Geo. J. B.	Fredericktown, Pennsylvania
Nare, Herman	Virginia, Minnesota
Naumoff, An	Hammond, Indiana
Naylor, Caughey	Chicago, Illinois
Nelson, Dupree	Ripley, Tennessee
Nelson, John L.	Paynesville, Minnesota
Nesbitt, Estella E.	Wingate, Indiana
Newton, Miles A.	Toulon, Illinois
Nickel, Robert J.	So. Portsmouth, Kentucky
Nichaloff, Elia	Dumberg, Greece
Nicol, Lorenz	Irwin, Ohio
Novak, Sam	Milwaukee, Wisconsin
Nowak, Albert, Jr.	Chicago, Illinois
O'Boyle, David K.	Hamilton, Scotland

Okon, Leo A.	Auburn, Michigan
Oldham, M. S.	Indianapolis, Indiana
Opolonick, Nicholas	Ekaterinoslov, Russia
O'Rourke, Carroll	Fort Wayne, Indiana
Padgett, Herbert L.	Tennysen, Indiana
Palmquist, James	Hastings, Pennsylvania
Patches, Anna	Chicago, Illinois
Paulauskas, Peter	Chicago, Illinois
Pearson, Edna	Brinkley, Arkansas
Peterson, Bernhardt Henry	Farmersburg, Iowa
Petersen, Thor Herskind	Chicago, Illinois
Petrulio, Alfred M.	Caldwell, New Jersey
Philon, Harry	Chicago, Illinois
Philon, Leon	Chicago, Illinois
Platt, Alford L.	Oakville, Connecticut
Pocius, John	Waukegan, Illinois
Poglodich, Karl H.	Dubuque, Iowa
Ponton, A. J.	St. Anne, Illinois
Poochigian, Karop	Binghampton, New York
Posin, Samuel	Detroit, Michigan
Posso, Carlos	Buenaventura, Columbia, S. A.
Prince, Herbert	Hammond, Indiana
Pulliam, H. E.	Winterrowd, Illinois
Pyle, Claude L.	Jonesboro, Arkansas
Rabinovitch, Sarah	Chicago, Illinois
Rabkin, Mollie	Chicago, Illinois
Radke, Rosa	Nevada, Missouri
Rakauskas, Anthony J.	Chicago, Illinois
Rasmussen, E.	Drayton, North Dakota
Read, George R.	LaPorte, Indiana
Reed, Ethel May	Logansport, Indiana
Reid, H. L.	Colorado Springs, Colorado
Riley, Daniel	Lockport, New York
Roach, Carl Burns	Leamington, Ontario, Canada
Robinson, Edna	Morocco, Indiana
Rogers, Arthur Paul	Woolaston, Massachusetts
Rosenberger, Lee	Valparaiso, Indiana
Ross, Walter D.	Rochester, Indiana
Ruddy, Rudolph P.	Cleveland, Ohio
Rudzik, Lawrence	Youngstown, Ohio
Sadowski, Frank	Cleveland, Ohio
Salzstrom, Hannah	Chicago, Illinois
Scarpa, Anthony P. M.	Derby, Connecticut
Schnurrbusch, Elizabeth	Biehle, Missouri
Scott, Tonsa T.	Texarkana, Tex-Ark.
Selvala, Simeon	Newell, South Dakota
Sexson, J. B.	Vincennes, Indiana
Shaskus, Charles	Chicago, Illinois
Shepherd, Jesse E. S.	Pleasantville, Indiana
Shockney, Lee	Union City, Indiana
Simisom, Boyd F.	Romney, Indiana
Simpson, Mae	Newton, Illinois
Simpson, Sam V., Jr.	Mill Shoals, Illinois
Simpson, Sylvia Claudia	Winnipeg, Manitoba, Canada
Sipos, Peter	Berwick, Pennsylvania
Skeoch, R. Norman	Christiansted, Virgin Islands
Slack, William Roscoe	Hartford, Vermont
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Snodgrass, John F.	Mannington, West Virginia
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Solinski, B. J.	Cleveland, Ohio
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Souke, Tony	Campello, Massachusetts
Soule, August	Melrose Park, Illinois
Soverhill, Emma L.	Tiskilwa, Illinois
Spry, Melvin	Indianapolis, Indiana
Stackman, Bessie	Chicago, Illinois
Stankus, John	Chicago, Illinois
Stapleton, Dan H.	Valparaiso, Indiana
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Billings, Harry	Ed.	Morocco, Indiana
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Blackwood, Howard C.	D. D. S.	Chicago, Illinois
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Blom, Irma	Ed.	Highland, Indiana
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Borck, Elsie A.	Mus.	Rogers, Minnesota
Boryczko, Joseph	Mus.	Valparaiso, Indiana
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Brandt, Henryetta	Mus.	Eaton, Indiana
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Brink, Agnes	Ed.	Miller, Indiana
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Broadbent, Donald	D. D. S.	Chicago, Illinois
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Broman, Abner	Ed.	Donaldson, Indiana
Broman, Roy A.	Ed.	Donaldson, Indiana
Bromberg, Abraham	D. D. S.	New York, New York
Bronson, William H.	Law	Providence, Rhode Island
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Brown, Ambrose C.	D. D. S.	Chicago, Illinois
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Brown, Bruce A.	Law	Valparaiso, Indiana
Brown, Cecil	Ed.	Attica, Indiana
Brown, C. A.	D. D. S.	Monroeville, Indiana
Brown, Dorothy E.	Ed.	Bartlett, Texas
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Burden, Nora	H. E.	Inwood, Indiana
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Burk, William	Law	Park City, Utah
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Burns, Goldie	Law	Lockney, Texas
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Burns, Russell	D. D. S.	Geneseo, Illinois
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Carson, Ruby	Ed.	Indianapolis, Indiana
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Case, Ralph A.	D. D. S.	San Francisco, California
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Cass, Elizabeth C.	Pri.	Ohio, Illinois
Casetta, Louis B.	A. B.	Fairmont, West Virginia
Chaffee, Margery	Mus.	Valparaiso, Indiana
Chaffee, Mildred	Mus.	Valparaiso, Indiana
Chamberlain, Clarke E.	D. D. S.	Peoria, Illinois
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Chaput, Alfred	D. D. S.	Calumet, Michigan
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Dalrymple, D. S.	D. D. S.	Windham, Montana
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Davies, C. H.	D. D. S.	Chicago, Illinois
Davis, Alden Kermit	Law	Lubec, Maine
Davis, Amanda K.	Ed.	Crawfordsville, Indiana
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Davis, S. C.	E. D.	Crawfordsville, Indiana
Davy, Lillian	Exp.	Spokane, Washington
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DeAustria, Salvador	Law	Magdalena, Laguna, P. I.
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Deem, Helen K.	Ed.	Churubusco, Indiana
Delahanty, Marguerite	Ed.	Wheatfield, Indiana
Delgado, Francisco B.	D. D. S.	Ciego de Avila, Cuba
Demaree, Glen	Ed.	Benham, Indiana
Demmon, A. G.	Special	Lusk, Wyoming
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De Neler, Emmie	Ed.	Little Rock, Arkansas
Deugoff, Ben	D. D. S.	Chicago, Illinois
Denholm, Roy F.	D. D. S.	Blyth, Ontario, Canada
Desmond, Waldo F.	Med.	Clintonville, Connecticut
Dewhirt, L. W.	D. D. S.	Noble, Illinois
Diamondstein, Mrs. J.	B. S.	Valparaiso, Indiana
Dibble, W. W.	Ed.	Leipsic, Ohio
Diefenderfer, Robert I.	Law	Belgrade, Montana
Diener, J. F.	B. S.	Frederick, Maryland
Dittmer, Cedric H.	D. D. S.	Seymour, Wisconsin
Dodge, Howard	Special	Valparaiso, Indiana
Dodt, Iola M.	Ed.	Royal Centre, Indiana
Doe, A. C.	D. D. S.	Chicago, Illinois
Doench, H. F.	D. D. S.	Dayton, Ohio
Dolan, Leo E.	D. D. S.	Roberts, Illinois
Dolan, Margaret	Special	Kankakee, Illinois
Donnelly, Mrs. H. B.	Mus.	Detroit, Michigan
Dorland, Leon H.	D. D. S.	Chippewa, Wisconsin
Doty, Robert	Med.	Port Orange, Florida
Dowce, Josephine	Mus.	Marion, Ohio
Dowell, Bertha	Pri.	Shoals, Indiana
Drazer, Bertha	Ed.	Kouts, Indiana
Drown, Willard	Pre. Med.	Hanna, Indiana
Druckaroff, Isadore	D. D. S.	Chicago, Illinois
Drugsfold, David	B. S.	Scarville, Iowa
Drye, John Jr.	A. B.	Van Alstyne, Texas
Dudley, Bertha M.	Mus.	Hartford, Wisconsin
Duncan, Hubert F.	D. D. S.	Joliet, Illinois
Duncan, Jess M.	Ed.	Valparaiso, Indiana
Duncan, Nell	Mus.	Tulsa, Oklahoma
Dunlap, Addie	Ed.	Valparaiso, Indiana

Dunn, Elinor L.	Mus.	Appleton, Wisconsin
Dupuy, Julia M.	C. E.	Hanerstran, New York
Durance, Genevieve	Phar.	Charlevoix, Michigan
Duxburg, Millard N.	D. D. S.	Olympia, Washington
Dvorkin, Benjamin	D. D. S.	Chicago, Illinois
Dwyer, Emmet	A. B.	Creede, Colorado
Dyer, Oscar L.	Phar.	Albany, Kentucky
Dyrenforth, R.	Pre. Med.	Chicago, Illinois
Dyson, Fred	D. D. S.	Becker, Minnesota
Dziura, John	Med.	Lowell, Massachusetts
Eanes, Mrs. R. H.	Mus.	Richmond, Virginia
Early, Joseph E.	D. D. S.	Chicago, Illinois
Eaton, Fannie B.	Phar.	Troy, Pennsylvania
Eaton, Myrtle	Mus.	Farley, Massachusetts
Eberly, Ivan G.	Mus. & M. T.	Boswell, Indiana
Echols, Robert T.	Ph. C.	Valparaiso, Indiana
Echols, Mrs. R. T.	H. E.	Valparaiso, Indiana
Eck, Edward Julius	D. D. S.	Chicago, Illinois
Edgington, Harry W.	M. D.	S. Portsmouth, Kentucky
Edison, Austin G.	Ph. G.	Kankakee, Illinois
Edman, John M.	Ed.	Maywood, Illinois
Edwards, Ethel	Kind.	Newark, Ohio
Edwards, J. L.	Law	Blakely, Georgia
Edwards, William Chas.	Special	Aberbargoed, England
Eggleston, Gladys L.	Ed.	Valparaiso, Indiana
Ekiman, C. E.	D. D. S.	Minneapolis, Minnesota
Eichman, C. E.	D. D. S.	Chicago, Illinois
Elliott, Charlotte	Art	Bradford, Pennsylvania
Elliott, Harry D.	C. E.	Oconto Falls, Wisconsin
Elliott, Lawrence S.	Phar.	New Alexandria, Pennsylvania
Elliott, William	C. E.	Chicago, Illinois
Ellis, Edna	Mus.	Warren, Indiana
Ellis, Margery	Mus.	Valparaiso, Indiana
Elstrom, Agnes	Ed.	South Bend, Indiana
Elvig, Henry N.	Ph. C.	Brainerd, Minnesota
Elvin, Alexander	Ed.	Russia
Emmons, Henry C.	C. E.	Portland, Maine
Endicott, Ruth	Pri.	Poseyville, Indiana
Enoch, Clyde Maurice	D. D. S.	Parkersburg, West Virginia
Enright, Wm. B.	D. D. S.	Ireland
Enyeart, T. P.	C. E.	Cambridge City, Indiana
Epstein, Elieser	C. E.	New York, New York
Ervin, Mrs. Lena	Ed.	Gary, Indiana
Escovar, J.	Ph. C.	Medellin, Ontroqua, S. A.
Evans, Blanche	H. E.	Goodwater, Alabama
Evans, Rowland H.	B. D.	Shawnee, Oklahoma
Facco, Augustus M.	D. D. S.	Chicago, Illinois
Fager, Esther E.	Ed.	Reading, Pennsylvania
Fager, Raymond N.	C. E.	Reading, Pennsylvania
Fair, James D.	Law	Medicine Lodge, Kansas
Farley, R. D.	D. D. S.	Chicago, Illinois
Feeley, May Belle	Ed.	Lowell, Indiana
Fehrenbacher, Chester L.	D. D. S.	Newton, Illinois
Ferguson, Lola A.	Phar.	Kempton, Indiana
Fernandez, Aurelia	D. D. S.	Porto Rico
Fero, Ruth J.	Ed.	Crumstown, Indiana
Fetters, Opal	Ed.	Lucerne, Indiana
Feurlicht, Henry	D. D. S.	Chicago, Illinois
Fiat, Nathan	Agri.	Hartford, Connecticut
Field, Clarence A.	D. D. S.	Mt. Horeb, Wisconsin
Fiddler, Elizabeth	Ed.	Bristol, Wisconsin
Fields, Forest G.	Special	Washington, D. C.
Filipiak, Anthony A.	H. S.	Pittsburgh, Pennsylvania
Finch, Graydon E.	D. D. S.	Hancock, Michigan
Finch, S. I.	D. D. S.	Elsie, Michigan
Findlay, Lagan M.	Special	Briercrest, Sask., Canada
Finke, A. H.	D. D. S.	Mt. Horeb, Wisconsin
Finkelstein, Harry	D. D. S.	Chicago, Illinois
Finkelstein, Bernard	D. D. S.	Chicago, Illinois
Finkelstein, Edward	Phar.	New York, New York
Finley, Estella	Ed.	Winamac, Indiana

Finley, Merl	C. E.	Chatfield, Minnesota
Finnup, Irene W.	A. B.	Garden City, Kansas
Firestone, Clell E.	Law	Goshen, Indiana
Fischer, Ferdinand George	D. D. S.	Joliet, Illinois
Fischer, Thos. G.	D. D. S.	Chicago, Illinois
Fisher, Amber S.	H. E.	Alvordton, Ohio
Fisher, H. Townsend.	C. E.	Vineland, New Jersey
Fisher, Mildred	Ed.	LaPorte, Indiana
Fishlove, Sylvia	D. D. S.	Chicago, Illinois
Fitzgerald, Greta	Pri.	Forreston, Illinois
Fitzpatrick, Esther E.	Ed.	Noblesville, Indiana
Fix, Millard	Med.	Minneapolis, Minnesota
Flood, James	D. D. S.	Kendall, Wisconsin
Flora, Martha	Ed.	Cutler, Indiana
Flynt, Verna	H. E.	Necona, Texas
Fodness, Claude A.	D. D. S.	Heron Lake, Minnesota
Folb, Henry	Med.	New York, New York
Forray, Julius	D. D. S.	Chicago, Illinois
Forter, Marjorie R.	Mus.	Kalispell, Montana
Foster, Pearl	Pri.	Alpha, Minnesota
Foster, Ruth	Ed.	Tiosa, Indiana
Fournier, Marie	H. E.	Remington, Indiana
Foutz, Dorris L.	Ed.	Royal Centre, Indiana
Foutz, Earl R.	D. D. S.	Richfield, Utah
Fox, Barlow	D. D. S.	Lehi, Utah
Fox, Eugene C.	D. D. S.	Ironwood, Michigan
Fox, Norman H.	D. D. S.	Chicago, Illinois
Foy, Emma	Arch.	Geneseo, Illinois
Frageman, Juanita	Exp.	Pleasant Hill, Missouri
Frame, James H.	D. D. S.	Madison, Wisconsin
Franklin, Coralie Mae.	Ed.	Brook, Indiana
Fratzke, Bert	D. D. S.	Janesville, Minnesota
Freidman, Albert	D. D. S.	Chicago, Illinois
French, Ballard F.	D. D. S.	Salida, Colorado
French, Lyle V.	D. D. S.	Warren, Illinois
Frey, Leo J.	D. D. S.	Chicago, Illinois
Friedricks, Max	C. E.	Germany
Friedinger, Harold	D. D. S.	Springfield, Illinois
Friend, Charles	D. D. S.	Chicago, Illinois
Frost, Erzell, W.	B. S.	Fargo, North Dakota
Frushour, Heslin	Ed.	Logansport, Indiana
Fryar, Dora	Ed.	Wanatah, Indiana
Fulton, Mabel	Mus.	Indiana Harbor, Indiana
Galbreath, Clyde E.	D. D. S.	Allegan, Michigan
Gallahan, Ruth	Ed.	Butler, Indiana
Ganey, Harry A.	D. D. S.	Chicago, Illinois
Gapshis, Peter C.	Phar.	Chicago, Illinois
Garcia, Joseph	D. D. S.	La Lima, Cadiz, Spain
Garling, Alma	Ed.	Francesville, Indiana
Garretson, H. S.	Phar.	Mandelino, California
Garver, Pauline	Mus.	Valparaiso, Indiana
Gates, Viola	Art	Valparaiso, Indiana
Gay, Mrs. V. Bunch.	H. E.	Valparaiso, Indiana
Gaynor, James F.	D. D. S.	Humbolt, Sask., Canada
Geaslen, Lillian M.	A. B.	Chicago, Illinois
Gelbard, Oscar E.	D. D. S.	Chicago, Illinois
Gedstead, John	D. D. S.	Lennox, South Dakota
Gelford, Samuel	D. D. S.	Chicago, Illinois
Gerber, Grace R.	Law	Hagerstown, Maryland
Gerber, Samuel.	Med.	Hagerstown, Maryland
Gerlach, Leo	D. D. S.	Chicago, Illinois
Geuder, Clara	Mus.	Guttenburg, Iowa
Gholson, Paul	D. D. S.	Fergus Falls, Minnesota
Gionotti, Wilton	C. E.	Ely, Minnesota
Gibbins, Frank	D. D. S.	Chicago, Illinois
Gibson, R. E.	B. S.	Maitland, Missouri
Gibson, Viola	Mus.	Louisville, Kentucky
Giedgowd, Peter	B. S.	Batavia, Illinois
Gigandet, Florence	Ed.	Portland, Indiana
Gildea, Patrick	Law	Cashel, Ardora, Ireland
Gill, Geneva M.	Ed.	Hobart, Indiana

Gillespie, Vere E.	B. D.	Ligonier, Indiana
Gilliam, J. Muritte	Phar.	Scottville, Kentucky
Gilmore, William	B. S.	Winner, South Dakota
Gilsinger, Carl	Ed.	Pulaski, Indiana
Ginsburg, Irving	D. D. S.	Chicago, Illinois
Gladden, Silby	Phar.	Western Grove, Arkansas
Glasgow, Floyd	D. D. S.	Decatur, Illinois
Glasgow, Garth	D. D. S.	Decatur, Illinois
Glass, Lawrence M.	D. D. S.	Muscatine, Iowa
Glassman, Jack	D. D. S.	Chicago, Illinois
Glawe, Arthur	D. D. S.	Geneseo, Illinois
Glezoriff, Peter	E. Eng.	Chicago, Illinois
Glines, Lola	Art	Yale, Illinois
Goddard, Myrtle	Ed.	Oconto Falls, Wisconsin
Goebel, Joseph	D. D. S.	Chicago, Illinois
Goines, Wm. L.	Ph. G.	San Acanio, Colorado
Goldberg, J.	D. D. S.	Chicago, Illinois
Golden, H. M.	D. D. S.	Tampa, Florida
Goldfein, A.	D. D. S.	Chicago, Illinois
Goldhorn, Ernest	D. D. S.	Chicago, Illinois
Goldman, Benjamin	D. D. S.	Chicago, Illinois
Goldsmith, Walter	D. D. S.	Chicago, Illinois
Goldstein, Louis M.	D. D. S.	Chicago, Illinois
Goldstick, Vera	Exp.	Bellaire, Michigan
Goode, Clifford A.	D. D. S.	Fremont, Ohio
Good, Fern	Ed.	Knox, Indiana
Good, Iva	Ed.	Knox, Indiana
Goodacre, Viola	Mus.	Greenwich, Ohio
Goodman, Rose	Exp.	Chicago, Illinois
Goodridge, Lyle	Mus.	Milan, Michigan
Gordon, Hazel	Ed.	Monon, Indiana
Gordon, Lonja	D. D. S.	Chicago, Illinois
Goran, H. F.	D. D. S.	Chicago, Illinois
Gouse, Melvin H.	D. D. S.	Elizabeth, Illinois
Govoroff, William	Agri.	Kharsaw, Russia
Gowen, Grace M.	Ed.	LaFayette, Indiana
Graeber, Mary	Ed.	Valparaiso, Indiana
Grafton, Ocie	Ed.	Francesville, Indiana
Graham, E. E.	D. D. S.	Rockton, Illinois
Graham, Esther P.	Ed.	Vevay, Indiana
Grant, Lois	Ed.	Royal Centre, Indiana
Geassl, Otto, Jr.	Phar.	Menominee, Michigan
Graves, J. P.	Med.	Linton, Indiana
Gray, Hazel	Mus.	Remington, Indiana
Green, C. G.	D. D. S.	Alta, Wyoming
Greene, Frank	D. D. S.	Chicago, Illinois
Green, John W.	D. D. S.	Newman, Illinois
Green, Samuel	D. D. S.	Chicago, Illinois
Greenberg, Stella	D. D. S.	Chicago, Illinois
Greenhalgh, Sarah E.	Special	Des Moines, Iowa
Greenstein, Maurice J.	D. D. S.	Chicago, Illinois
Greenwald, Leo John	D. D. S.	Ludington, Michigan
Greenwood, Mary E.	Art	Hickory Ridge, Arkansas
Griffin, Laura Ida	Law	Chicago, Illinois
Grigsby, LeRoy	D. D. S.	Aurora, Illinois
Grimm, P. F.	D. D. S.	Chicago, Illinois
Grinde, G. B.	D. D. S.	Mt. Horeb, Wisconsin
Grinde, J. A.	D. D. S.	Portland, North Dakota
Grindle, Amelia	Ed.	Monterey, Indiana
Grissmer, Herbert	A. B.	Frankton, Indiana
Groninger, Reed S.	Arch.	Rockfield, Indiana
Gronwold, Hilda	Mus.	Kenyon, Minnesota
Grover, Earl G.	Med.	Rowley, Iowa
Gruber, Savilla M.	Mus.	Manteno, Illinois
Gruel, Elsa	Ed.	Hobart, Indiana
Gruenert, Amanda	B. S.	Valparaiso, Indiana
Gram, Frank	Law	Woodworth, North Dakota
Gruener, Edwin F.	Phar.	Ashville, North Carolina
Gruzdeff, Andrew	Agri.	Moscow, Russia
Guenther, Emma M.	Mus.	Fort Wayne, Indiana
Guild, Daniel D.	Ed.	Medaryville, Indiana

Gumper, Joseph W.	D. D. S.	Collis, Mississippi
Gundrum, Norman H.	C. E.	Reading, Pennsylvania
Gunn, Hugh	Law	Honolulu, Hawaii
Gunter, Eugene	Law	Tenaha, Texas
Guschow, Ethel	Ed.	Michigan City, Indiana
Haas, Irma	Kind.	Winamac, Indiana
Haering, E. W.	D. D. S.	Spring Falls, South Dakota
Hagedorn, Agnes	Ed.	Tell City, Indiana
Hagedorn, Lola	Ed.	Tell City, Indiana
Hahn, Edward N.	D. D. S.	Chicago, Illinois
Hahn, H. C.	D. D. S.	Ottumwa, Iowa
Hahn, Young D.	C. E.	Dinuba, California
Haidopoulos, Demetrius	D. D. S.	Cosani, Greece
Halford, Nell	B. S.	Memphis, Tennessee
Hall, Hildreth	Ed.	Lucerne, Indiana
Halladay, Eldora	Kind.	Lena, Illinois
Holland, H.	C. E.	Starbuck, Canada
Halseth, Elmer	A. B.	Rutland, South Dakota
Hamilton, Floyd	D. D. S.	Eldora, Iowa
Hamm, Edward W.	D. D. S.	Worcester, Massachusetts
Hammond, Forrest C.	D. D. S.	Martinsville, Illinois
Hanehan, Louise	Ed.	Davenport, Iowa
Hanemann, Herold J. F.	C. E.	Holyoke, Massachusetts
Hanna, W. Emory	D. D. S.	Birmingham, Alabama
Hanson, Frank W.	Arch.	S. Weymouth, Massachusetts
Hanson, Hugo E.	D. D. S.	Winton, Minnesota
Hanson, Raymond P.	D. D. S.	Sioux Falls, South Dakota
Harden, George F.	Ed.	Knox, Indiana
Hardin, Harry	A. B.	Seven Miles, Ohio
Hardin, James D.	D. D. S.	Chanton, Iowa
Harmon, Richard	A. B.	Interlaken, New York
Harper, Grace G.	Mus.	Burlington, Iowa
Harrell, Clara Morton	A. B.	Pasadena, California
Harrell, Eloise	A. B.	Macon, Georgia
Harris, Frank S.	D. D. S.	Gilman, Illinois
Hart, Chester C.	D. D. S.	Chicago, Illinois
Hart, John C.	M. D.	Oak, Illinois
Hartgraves, Herbert	B. S.	Sumner, Texas
Hartley, Belle	H. E.	Rockford, Illinois
Haug, Clemens M.	D. D. S.	Duluth, Minnesota
Hawbrook, Florence	Ed.	Hebron, Indiana
Hawk, Della J.	H. E.	Fenton, Illinois
Hawkins, Carl F.	Ed.	Hickory Ridge, Arkansas
Hawkins, Floyd T.	Med.	Tennega, Georgia
Hawkins, William S.	A. B.	Pittsburgh, Pennsylvania
Hawthorne, Perle	Art	Princeton, Kentucky
Hayden, Claude	Agri.	Valparaiso, Indiana
Hayden, Mrs. C. E.	Mus.	Valparaiso, Indiana
Hayes, E. Leo	A. Eng.	Wells, Minnesota
Healey, Mary	Ed.	Logansport, Indiana
Heard, Martha	H. E.	Valparaiso, Indiana
Hehnke, Arthur A.	Arch.	Scotts Bluff, Nebraska
Heintz, Maude H.	Mus.	Plankinton, South Dakota
Heinzmann, Carl N.	D. D. S.	Metamora, Illinois
Helbraun, Louis	D. D. S.	Chicago, Illinois
Helgeson, Harold O.	D. D. S.	Marinette, Wisconsin
Helmer, Oliver A.	D. D. S.	Philadelphia, Pennsylvania
Helms, Harry Beverly	A. B.	Cleveland, Missouri
Henderson, Martin Selmer	D. D. S.	Fargo, North Dakota
Hendron, Mabel	Pri.	Ashkum, Illinois
Hengel, Arthur	Law	Valparaiso, Indiana
Henkin, Aaron	D. D. S.	Chicago, Illinois
Hensley, Tom Scott	D. D. S.	Peoria, Illinois
Herkel, Geo. A.	D. D. S.	Middleville, New York
Herman, Joel	D. D. S.	Chicago, Illinois
Herriot, Abbie F.	Ed.	Star City, Indiana
Heuser, Clara M.	Ed.	New Salisbury, Indiana
Heywood, Lee E.	Special	St. Johnsbury, Vermont
Hickey, Delta	Ed.	Lucerne, Indiana
Hickman, Elton H.	A. B.	Irwin, Pennsylvania
Higbe, Garnette	A. B.	Marengo, Illinois

Higginbotham, Hobart G.	Phar.	Albany, Kentucky
Higgins, Maude	Ed.	New Albany, Indiana
Hilbish, Nellie	H. E.	Goshen, Indiana
Hill, Emil	M. T.	Cloquet, Minnesota
Hillberry, Florence	Mus.	Blue River, Wisconsin
Hind, Arrelida C.	Pri.	Rutledge, Missouri
Hiner, Clara	Mus.	Needham, Indiana
Hinton, Vabrie	H. E.	Flatonia, Texas
Hirsch, William	D. D. S.	Tripp, South Dakota
Hirschmann, Margaretha	Mus.	Michigan City, Indiana
Hitz, Jacob O.	D. D. S.	Hudson, Kansas
Hjorth, Geo. L.	Ed.	Chicago, Illinois
Hoefer, Victor	Ed.	Inman, Kansas
Hoef, Wm. J.	D. D. S.	Geneseo, Illinois
Hoff, John	Mus.	Cleveland, Ohio
Hoffeins, Hans	D. D. S.	Manville, Iowa
Hoffman, Joseph	D. D. S.	Chicago, Illinois
Hoffman, Wesley	B. S.	Valparaiso, Indiana
Hogan, Geo.	Law	St. Helens, Kentucky
Hogstrom, Victor E.	D. D. S.	Berwyn, Illinois
Holic, John	D. D. S.	Chicago, Illinois
Holland, Claude	Phar.	Scottsville, Kentucky
Holland, L. C.	A. B.	Atlanta, Georgia
Hollenback, Ella	Ed.	Noblesville, Indiana
Hollister, Ross	Special	Hobart, Indiana
Holmen, M. E.	Law	Nunda, South Dakota
Holmes, Louis R.	Law	Chicago, Illinois
Holtz, Joseph	D. D. S.	Chicago, Illinois
Honan, Gertrude	Ed.	Delphi, Indiana
Hong, Wilson	Pri.	Dimba, California
Hood, Frank W.	Ed.	Glendale, Kentucky
Hook, Frank E.	Law	Saxon, Wisconsin
Hopkins, Stevens G.	D. D. S.	Clio, Michigan
Hopkins, W. B.	Med.	Upper Tract, West Virginia
Hopper, Chas. L.	D. D. S.	Spokane, Washington
Horn, Edward F.	D. D. S.	Chicago, Illinois
Horne, Elton	B. S.	Bay Springs, Mississippi
Horton, Bessie M.	Phar.	Wirt, Indiana
Horton, Donald L.	D. D. S.	Calmar, Iowa
Horton, Grace E.	A. B.	Hoover, Indiana
Horvitz, Sam	D. D. S.	Russia
Horwitz, Arthur I.	D. D. S.	Chicago, Illinois
Houghtoylen, Ray	D. D. S.	Sandwich, Illinois
Houston, Cynthia M.	Ed.	Francesville, Indiana
Howe, Roswell	Phar.	Roanoke, Virginia
Hrusa, Marie	D. D. S.	Chicago, Illinois
Hudson, Ernest A.	D. D. S.	Minneapolis, Minnesota
Huete, Ernest	D. D. S.	Managua, Central America
Huffman, Mabel	Ed.	Lyner, Indiana
Huffman, Mabel	Mus.	Pleasant Lake, Indiana
Huffman, Lawrence	Ed.	Tyner, Indiana
Hufford, Alvin Ray	A. B.	Amity, Pennsylvania
Hughes, Arthur George	D. D. S.	Chicago, Illinois
Hummer, Mildred	Ed.	Lakeville, Indiana
Humphrey, Ruth E.	H. E.	Barre, Vermont
Huntress, Joseph W., Jr.	C. E.	Brockton, Massachusetts
Hurd, Mamie E.	H. E.	Rinard, Iowa
Hurdle, J. Yale	D. D. S.	Shelley, Idaho
Hurst, Gladys H.	Ed.	Indianapolis, Indiana
Hussey, Frank A.	D. D. S.	Herrick, South Dakota
Hustad, Selma	Ed.	Madison, Wisconsin
Huston, Edna	H. E.	Logansport, Indiana
Hutton, Otholo	Ed.	Valparaiso, Indiana
Ikeda, Kwanzo	D. D. S.	Nate, Japan
Imber, Joseph	D. D. S.	Chicago, Illinois
Imlay, Frank L.	D. D. S.	Forest City, Iowa
Irwen, Olive	Ed.	Francesville, Indiana
Isenbarger, Otis	C. E.	Syracuse, Indiana
Isenson, Morris	D. D. S.	Chicago, Illinois
Ishabashi, Shiro	D. D. S.	Seattle, Washington
Ivanoff, Mitrofan	C. E.	Valparaiso, Indiana

Jacalne, Bonaficio	M. T.	San Juan, Minon, P. I.
Jackson, Agnes	Ed.	Knox, Indiana
Jackson, Weldon	D. D. S.	Elgin, Illinois
Jacobs, Harry	D. D. S.	Chicago, Illinois
Jacobson, Sallie R.	Law	New York, New York
James, Hazel	Special	Oswego, Indiana
James, Edgar	D. D. S.	Laurium, Michigan
Jana, Frank	D. D. S.	Chicago, Illinois
Janov, Michael	D. D. S.	Chicago, Illinois
Janson, Gottfried	C. E.	Somerville, Massachusetts
Jardeleza, Mag. L.	Med.	Bocolad, San Juan, P. I.
Jarrendt, Ferdinand	Mus.	Chicago, Illinois
Jarvis, Edna	Mus.	Clifton, Illinois
Jasionowsky, James	C. E.	Gary, Indiana
Jenks, Ralph W.	Med.	Henry, North Carolina
Jensen, Ita	H. E.	Wheatfield, Indiana
Jessee, Mary L.	Mus.	Valparaiso, Indiana
Jessup, Edith	Pri.	Westfield, Indiana
Jessup, Helen	Ed.	Hanna, Indiana
Jirtle, Irene	Mus.	Algoma, Wisconsin
Johnson, A. A.	D. D. S.	Lake City, Minnesota
Johnson, A. P.	D. D. S.	Inglewood, California
Johnson, Eric	Special	Rockford, Illinois
Johnson, Gladys	Mus.	Mayfield, Kentucky
Johnson, H. M.	D. D. S.	Whitehall, Wisconsin
Johnson, Myrtle K.	Exp.	Joliet, Illinois
Johnson, Sigfried	D. D. S.	Kulm, North Dakota
Johnston, Edith W.	Mus.	Nellie, Ohio
Johnson, Leslie	A. B.	Chesterton, Indiana
Johnston, Luther D.	A. B.	St. Maries, Idaho
Johnston, Thelma R.	Ed.	Chesterton, Indiana
Johnston, Wm. M.	Mus.	Valparaiso, Indiana
Jones, Almer V.	A. B.	Fowlkes, Tennessee
Jones, Clifford, M.	Med.	Monroeville, Indiana
Jones, Dolan	Phar.	Thomasville, North Carolina
Jones, Earl Merton	D. D. S.	Norwood, Manitoba, Canada
Jones, Eva	Mus.	Culver, Indiana
Jones, Fred R.	D. D. S.	Kankakee, Illinois
Jones, Vivian	Ed.	Wheatfield, Indiana
Jones, W. E.	D. D. S.	Bemidji, Minnesota
Jordan, J. I.	Pre. Med.	Malakoff, Texas
Jordan, Nathan	D. D. S.	Chicago, Illinois
Jozaitis, Anton	D. D. S.	Chicago, Illinois
Jozefczyk, Anton	D. D. S.	Chicago, Illinois
Judson, Harold H.	C. E.	Holyoke, Massachusetts
Julian, Mattie	Ed.	Logansport, Indiana
Jung, Chas.	D. D. S.	Chicago, Illinois
Jurissen, Paul	D. D. S.	Paterson, New Jersey
Kahn, Chas.	Agri.	Chicago, Illinois
Kalk, Lester	D. D. S.	S. Kaukauna, Wisconsin
Kamin, Alfred	D. D. S.	Chicago, Illinois
Kamin, Julius	D. D. S.	Chicago, Illinois
Kaminski, Richard M. J.	D. D. S.	Chicago, Illinois
Kamm, Alexander	D. D. S.	Indianapolis, Indiana
Kan, Chas. P.	D. D. S.	Chicago, Illinois
Kan, Joe M.	D. D. S.	Chicago, Illinois
Kane, M. B.	D. D. S.	Chicago, Illinois
Kanstein, Julie Kana	Mus.	Valparaiso, Indiana
Kaplin, Israel I.	D. D. S.	Chicago, Illinois
Kaplan, Max M.	D. D. S.	Chicago, Illinois
Kaport, John	Pre. Med.	Minneapolis, Minnesota
Karlen, Pearl B.	Ed.	Santa Fe, W. I.
Karolewske, Edward S.	D. D. S.	Chicago, Illinois
Karstron, A. M.	Agri.	Chicago, Illinois
Kaske, Erna M.	Ed.	Munster, Indiana
Kass, Mitchell	C. E.	Chicago, Illinois
Katz, Samuel	D. D. S.	Chicago, Illinois
Katzman, Louis I.	D. D. S.	Philadelphia, Pennsylvania
Kaufman, L. E.	D. D. S.	Chicago, Illinois
Kays, Vera	Ed.	San Pierre, Indiana
Kee, C. B.	Phar.	LaFayette, Indiana

Keene, Mary E.	Pg. B.	Valparaiso, Indiana
Keiser, Gladys	Ed.	Knox, Indiana
Keithline, Marjorie	Ed.	Kingsbury, Indiana
Keitzer, Marguerite	Ed.	Logansport, Indiana
Kella, Myra	Ed.	Williamstown, Kentucky
Kellam, Cecil H.	D. D. S.	Sandwich, Illinois
Kellems, Ross	Ed.	Lilly Dale, Indiana
Keller, Earl	Ed.	Lyons, Indiana
Keller, Raymond L.	Pre. Med.	LaGrange, Illinois
Kellogg, Karl K.	M. T.	Fort Atkinson, Wisconsin
Kelly, Cecilia	Mus.	Valparaiso, Indiana
Kelly, Cyril R.	D. D. S.	Chicago, Illinois
Kennedy, Ruth	Ed.	Wheatfield, Indiana
Keplinger, Roy Raymond	D. D. S.	Silver Lake, Indiana
Kessler, Edward	Phar.	Hecker, Illinois
Kettlehut, Armin W.	D. D. S.	Minonk, Illinois
Keys, E. T.	Phar.	Yorktown, Indiana
Khan, S. Abol Fazl	C. E.	Persia
Khan, S. Jafar	Agri.	Teheran, Persia
Khuri, Gabriel	D. D. S.	Chicago, Illinois
Kiely, Timothy S.	Law	Anaconda, Montana
Kim, Arthur S.	Phar.	Manteca, California
Kimble, Franklin O.	D. D. S.	Stryker, Ohio
Kimble, Harley E.	Pre. Med.	Stryker, Ohio
Kinne, Glen	M. T.	Valparaiso, Indiana
Kintner, Curtis	Art	Defiance, Ohio
Kirby, John J.	D. D. S.	Miles City, Montana
Kirgis, Edward	D. D. S.	Chicago, Illinois
Kirschbaum, Maxwell	D. D. S.	Norfolk, Virginia
Kirschner, Norman A.	D. D. S.	Chicago, Illinois
Kistler, Erma	Ed.	Winamac, Indiana
Kitson, Hugh	Agri.	Syracuse, Indiana
Klau, Joseph	D. D. S.	Chicago, Illinois
Kline, Florence	Ed.	Howe, Indiana
Kline, Ruth	Ed.	Connersville, Indiana
Klutzb, Dale M.	Phar.	Maiden, North Carolina
Knapp, Florence	H. E.	Valparaiso, Indiana
Knapp, Grace	Ed.	Wheatfield, Indiana
Knapp, Nelly V.	Ed.	Wheatfield, Indiana
Knepper, Leeta	Exp.	Montpelier, Ohio
Knez, Kuzma	C. E.	St. Louis, Montana
Knight, N. P.	D. D. S.	
Knoppe, C. P.	D. D. S.	Chengtu, China
Knudson, Genevieve	Mus.	Odell, Illinois
Knudson, Uffe	Phar.	De Smet, South Dakota
Knutson, Dewey	Phar.	Ely, Minnesota
Koch, Anthony	D. D. S.	Prairie du Sac, Wisconsin
Kohl, William E.	D. D. S.	Hillview, Illinois
Korol, Samuel	D. D. S.	Chicago, Illinois
Koteff, Christo	C. E.	Chicago, Illinois
Kotynski, A.	A. E.	Ross, Poland
Koyalchuk, Wm.	C. E.	New York, New York
Kovelkoskie, Clarence T.	Law	Shamokin, Pennsylvania
Kowalski, Victor	Agri.	Chicago, Illinois
Kowen, Samuel A.	D. D. S.	Chicago, Illinois
Kraemer, Andrew John	D. D. S.	Clinton, Massachusetts
Kraemer, John H.	D. D. S.	Clinton, Massachusetts
Krag, Mathew	C. E.	Chicago, Illinois
Krakovesky, Michael	Law	Olyphant, Pennsylvania
Kramer, Louis J.	D. D. S.	Chicago, Illinois
Krause, Samuel	D. D. S.	Chicago, Illinois
Krauser, Clarence A.	D. D. S.	Bushnell, Illinois
Kreeger, Hilbert	D. D. S.	Chicago, Illinois
Kromshinsky, Eleanor	H. E.	Michigan City, Indiana
Krongrade, Samuel	D. D. S.	Chicago, Illinois
Kruell, Vera	H. E.	Kouts, Indiana
Kruszynski, P. Paul	D. D. S.	South Bend, Indiana
Kudulian, Louis Harry	D. D. S.	Chicago, Illinois
Kuhn, Janet	Ed.	Argos, Indiana
Kuntz, Fred L.	A. B.	Lisbon, Iowa
Kuratate, Kiyoshi	D. D. S.	Chicago, Illinois

Kurth, Clarence E.	D. D. S.	Chicago, Illinois
Kuznetsky, H. Samuel	D. D. S.	Chicago, Illinois
Kyle, Margaret	Pri.	Walkerton, Indiana
Laby, Irving	D. D. S.	Detroit, Michigan
Ladyga, Casimir J.	Law	South Bend, Indiana
LaForce, Pearl A.	Ed.	Valparaiso, Indiana
Landis, Milo E.	D. D. S.	Homerville, Ohio
Lange, Albert	D. D. S.	Chicago, Illinois
Landram, Wavy Cynthia	Ed.	Moberly, Missouri
Lane, Earey D.	Med.	Blakely, Georgia
Laney, Thomas D.	Med.	Dousman, Wisconsin
Lann, W. A.	M. T.	Hackleburg, Alabama
Lantz, Beatrice	Mus.	Sunnyside, Washington
Lantz, Ray	C. E.	Kokomo, Indiana
Lape, Chas.	Ed.	St. Peter, Illinois
Lappe, Max M.	D. D. S.	Chicago, Illinois
Lardy, Marguerite M.	Mus.	Sentinel Butte, North Dakota
Larkin, Edward G.	D. D. S.	Sioux Falls, South Dakota
Larrew, J. W.	C. E.	Frederick, Oklahoma
Larrick, Lois	Ed.	Darlington, Indiana
Laskov, Joseph	D. D. S.	Chicago, Illinois
Latanzi, Alfred	C. E.	Everett, Massachusetts
Lauraitis, A. R.	D. D. S.	Chicago, Illinois
Lauritzen, Edris A.	H. E.	Chicago Heights, Illinois
Lauter, Fred	D. D. S.	Chicago, Illinois
Lauzer, Frederick A.	D. D. S.	Minneapolis, Minnesota
LaViolette, Samuel	Law	Brussels, Wisconsin
Law, Maurice F.	Phar.	Elba, Alabama
Lawrence, Emma	Pri.	Canonto, Ontario
Lawrence, Icie A.	Ed.	Walkerton, Indiana
Layman, Lura	Ed.	Royal Centre, Indiana
Lazaga, Leon M.	Law	Santa Rosa, P. I.
Lazosky, Solomon	D. D. S.	Chicago, Illinois
Leavens, Burton	C. E.	Sheboygan Falls, Wisconsin
Lechinski, Joseph	Phar.	Parsons, Pennsylvania
Ledin, Theodore	M. E.	Kenosha, Wisconsin
Leonard, Lee	D. D. S.	Chicago, Illinois
Leeper, Erma V.	Ed.	Plymouth, Indiana
Legator, Benjamin	D. D. S.	Chicago, Illinois
Lehmberg, Otto F. C.	Pre. Med.	Wanatah, Indiana
Leibovitz, Max	D. D. S.	Chicago, Illinois
Leininger, Herbert Michael	D. D. S.	Chicago, Illinois
Leist, Genevieve A.	Exp.	Michigan City, Indiana
Lemke, Samuel A.	D. D. S.	Wirth, North Dakota
Lempke, C. Curtis	Phar.	Algonac, Michigan
Lennertz, Agnes	Ed.	Hobart, Indiana
Lepak, Stephen A.	D. D. S.	Duluth, Minnesota
Lisinsky, Adam P.	Mus.	Old Forge, Pennsylvania
Letson, Reuben C.	D. D. S.	Beach, North Dakota
Levi, Harvey H.	D. D. S.	Carrollton, Illinois
Leviash, Harry	D. D. S.	Chicago, Illinois
Levin, Isadore	D. D. S.	Chicago, Illinois
Levin, Lazarus	D. D. S.	Chicago, Illinois
Levin, Michael L.	D. D. S.	Chicago, Illinois
Levin, Sol H.	D. D. S.	Chicago, Illinois
Levin, William	D. D. S.	Chicago, Illinois
Levine, Mitchell	D. D. S.	Chicago, Illinois
Levinson, Jack J.	D. D. S.	Chicago, Illinois
Levy, Rueben	D. D. S.	Chicago, Illinois
Lewis, Dorothy K.	Mus.	Hot Springs, Arkansas
Lewis, Katherine	Mus.	Valparaiso, Indiana
Liberfarb, Nathan	D. D. S.	Chicago, Illinois
Licht, Louis	D. D. S.	Chicago, Illinois
Lieberman, Ben	D. D. S.	Chicago, Illinois
Lieberman, Louis	D. D. S.	Chicago, Illinois
Liebowitz, Max	D. D. S.	Chicago, Illinois
Lilbert, Lezama	D. D. S.	Arima, Trinidad, B. W. I.
Lilly, Florence	D. D. S.	Oak Park, Illinois
Lind, Clara	Ed.	Crawfordsville, Indiana
Linder, John Victor	D. D. S.	Chicago, Illinois
Lindmeier, Edwin	D. D. S.	River Forest, Illinois

Lindstedt, Selma	Ed.	Chesterton, Indiana
Linton, Georgia	H. E.	Medaryville, Indiana
Lipschutz, Louis	D. D. S.	Chicago, Illinois
Lipschutz, Meyer	D. D. S.	Chicago, Illinois
Lishinsky, Reuben	C. E.	Brooklyn, New York
Lisle, Viola	H. E.	Lithopolis, Ohio
Little, Rubye	Mus.	Cascilla, Mississippi
Littlejohn, Mrs. Jennie H.	Pri.	Jonesboro, Illinois
Loane, Myrtle F.	Ed.	South Bend, Indiana
Lockhart, Pauline	Ed.	Albany, Indiana
Logan, Leslie R.	Ed.	Onward, Indiana
Logan, Marion	Ed.	Plymouth, Indiana
Lommel, Harry	D. D. S.	Farmington, Minnesota
London, George J.	D. D. S.	Chicago, Illinois
Loomis, Norman S.	Ed.	Perryville, Indiana
Lopez, Raymondo	C. E.	Mexico, Mexico
Lorenz, Emanuel	D. D. S.	Chicago, Illinois
Loughridge, R. J.	Ed.	Brook, Indiana
Loutzenheiser, Albert	Ed.	Roanoke, Indiana
Love, E. H.	Ed.	Warrenburg, Missouri
Lovell, Gertrude	Phar.	Fredericktown, Ohio
Lowe, Albert G.	Exp.	Wolford, North Dakota
Lowe, Hattie M.	Ed.	North Judson, Indiana
Lubkin, Samuel	D. D. S.	Chicago, Illinois
Ludgin, Max	Phar.	Hartford, Connecticut
Ludlow, Mira E.	Kind.	Cleveland, Ohio
Luire, Benjamin	D. D. S.	Chicago, Illinois
Lundahl, Byron John	D. D. S.	Ishpeming, Michigan
Lunde, Mabel	Mus.	Marshalltown, Iowa
Lunner, Robert	Law	Stromburg, Nebraska
Luty, Karl	Ed.	Bourbon, Indiana
Lutz, Georgianna	Pre. Med.	Attica, Indiana
Lynch, James W.	D. D. S.	Brooklyn, New York
Lyons, Wm. J.	D. D. S.	Joliet, Illinois
Lysakowska, Florence W.	D. D. S.	Chicago, Illinois
McAto, J. R.	D. D. S.	Chicago, Illinois
McAuliffe, Frances	Ed.	Wheeler, Indiana
McAuliffe, Mary	Ed.	Valparaiso, Indiana
McCarthy, Daniel E.	D. D. S.	Bloomington, Illinois
McCarthy, Edward	D. D. S.	Chicago, Illinois
McCarty, Minnie	Ed.	Crown Point, Indiana
McClain, Frank	Med.	Medicine Lodge, Kansas
McClellan, J. Bryson	Pre. Med.	Boston, Massachusetts
McClure, Flossie M.	Ed.	New Albany, Indiana
McClure, Noble J.	C. E.	Vincennes, Indiana
McConnell, Thos. Roy	D. D. S.	West Duluth, Minnesota
McCord, Edna	Ed.	Attica, Indiana
McCormick, Irwin	Law	Tomahawk, Wisconsin
McCutcheon, Wm. Allen	E. E.	Falconer, New York
McDaniel, Vashti	Mus.	Uniontown, Pennsylvania
MacDermott, Earl H.	C. E.	St. James, New York
McDonald, Dessie	Pri.	Plymouth, Indiana
MacDonald, Irene	A. B.	Bartlett, Illinois
McElhinney, Hattie	Ed.	Stronghurst, Illinois
McElroy, H. E.	D. D. S.	Oak Park, Illinois
McGill, Chas. S.	A. B.	Valparaiso, Indiana
McGillicuddy, Clare	A. B.	Valparaiso, Indiana
McGivney, Walter Jack	D. D. S.	Springfield, Illinois
McGowan, Mary	Ed.	Manteno, Illinois
McGrew, L. D.	C. E.	South Bend, Indiana
McLaughlin, F. E.	Mus.	Burlington, Wisconsin
McLeod, W. E.	Special	Lincoln, Illinois
McMahon, Elmer E.	Law	Lawler, Iowa
McMahon, Henry J.	Ed.	Lawler, Iowa
McMillen, Gladys	Ed.	Pleasant Mills, Indiana
McMillen, Myron E.	D. D. S.	Green Bay, Wisconsin
McNeal, Thomas	D. D. S.	Lake McDonald, Montana
McNiece, Helen	Mus.	Valparaiso, Indiana
McQuiddy, Minta	Ed.	New Albany, Indiana
McRae, Ernest A.	D. D. S.	Winnipeg, Manitoba, Canada
McWilliams, Burr M.	D. D. S.	Oregon, Wisconsin

Maas, L. T.	D. D. S.	Chicago, Illinois
Mach, Benjamin	D. D. S.	Lesterville, South Dakota
Mack, Leslie G.	D. D. S.	Mazeppa, Minnesota
Madden, Leonard V.	D. D. S.	Chicago, Illinois
Maetzold, C. J.	D. D. S.	Red Wing, Minnesota
Mahaffey, Margaret C.	A. B.	Johnstown, Pennsylvania
Mahan, Allen H.	D. D. S.	Creston, Iowa
Mahan, Floyd B.	D. D. S.	Creston, Iowa
Maina, Arthur A.	Mus.	Chicago, Illinois
Maki, Jeremias	C. E.	Cloquet, Minnesota
Makris, Christos A.	Law	Nashua, New Hampshire
Malone, Mercy M.	H. E.	Monticello, Indiana
Mandelbaum, R.	Phar.	Detroit, Michigan
Manguarra, Mariano F.	C. E.	Santa Rosa, P. I.
Manta, G. L.	C. E.	Chicago, Illinois
Manzanero, Fortunato M.	Med.	St. Thomas, P. I.
Mariner, Melvin J.	D. D. S.	Bowling Green, Ohio
Marshall, John A.	D. D. S.	Witt, Illinois
Marshall, Nathan W.	D. D. S.	Chicago, Illinois
Marston, Frederick J.	Exp.	Valparaiso, Indiana
Martin, Josephine	Mus.	Kankakee, Illinois
Martineau, Marius	D. D. S.	Minot, North Dakota
Martinez, Jose A.	C. E.	Mexico City, Mexico
Mason, Harry B.	D. D. S.	Manville, Illinois
Masters, Isa	Ed.	Logansport, Indiana
Mathieson, Edna	Ed.	W. LaFayette, Indiana
Matteo, Robert P.	Med.	Muskegon, Michigan
Mattern, Bess	Special	South Bend, Indiana
Matulonis, Joe S.	C. E.	Johnston City, Illinois
Maurer, Edith	H. E.	Wooster, Ohio
Molochko-Max, Gabriel	Ed.	Detroit, Michigan
Maxwell, Clair	Mus.	Valparaiso, Indiana
Maxwell, Clotilde	Special	Gravette, Arkansas
Mayo, Thelma	Ed.	Battle Ground, Indiana
Medel, Rodolfe A.	Law	Barolod, Philippine Islands
Medina, A.	C. E.	Laoag, Philippine Islands
Meek, Bettie	Ed.	New Albany, Indiana
Meeker, Mrs. J. Frank	A. B.	Valparaiso, Indiana
Meeker, Stella K.	H. E.	Valparaiso, Indiana
Megehee, Warren	M. T.	Carriere, Mississippi
Meier, Chas.	Mus.	Valparaiso, Indiana
Meinhardt, J.	D. D. S.	Michigan
Melikoff, Alexander	C. E.	Russia
Mendoza, LeRoy De.	D. D. S.	Piper City, Illinois
Mendralski, Walter J.	Phar.	Chicago, Illinois
Merchant, Berta	Ed.	Ashley, Indiana
Merchant, Dolores	Ed.	Ashley, Indiana
Merowetz, Anna	Ed.	Chicago, Illinois
Merrihew, Curtis	D. D. S.	Salt Lake City, Utah
Merz, Frank G.	D. D. S.	Brooklyn, New York
Mespelt, Arthur	Agri.	San Bernardino, California
Mettes, E. E.	D. D. S.	Chicago, Illinois
Michala, John	A. B.	Chicago, Illinois
Midjaas, Theo.	C. E.	Edmore, North Dakota
Mierzjewski, Max F.	C. E.	Indiana Harbor, Indiana
Miller, Arthur G.	Med.	Leonard, Illinois
Miller, Augustine W.	Art	Pawtucket, Rhode Island
Miller, Benj.	D. D. S.	Chicago, Illinois
Miller, C.	D. D. S.	Chicago, Illinois
Miller, Cecil John	D. D. S.	Butler, Indiana
Miller, Chris.	Phar.	Brodhead, Wisconsin
Miller, Claude M.	Ed.	Lilly Dale, Indiana
Miller, E. H.	Med.	Valparaiso, Indiana
Miller, Ernest G.	D. D. S.	Sandwich, Illinois
Miller, Esda R.	Mus.	Monterey, Indiana
Miller, Mrs. Ethel	Ed.	Valparaiso, Indiana
Miller, I. C.	D. D. S.	Ewing, Missouri
Miller, Julius	D. D. S.	Chicago, Illinois
Miller, Paul A.	Ed.	Newark, Ohio
Miller, Velma	Mus.	Valparaiso, Indiana
Mills, Fern	H. E.	Wall, South Dakota

Milula, Edward W.	D. D. S.	Chicago, Illinois
Miner, Jennie Belle	Art	Valparaiso, Indiana
Miner, W. L.	A. E.	Owosso, Michigan
Minner, Alfred G.	D. D. S.	Chicago, Illinois
Minor, Myrle	H. E.	Wheatfield, Indiana
Miodueszewski, Saturnin	D. D. S.	Detroit, Michigan
Mistica, Santos H.	Law	Lilio, Philippine Islands
Mitgang, Max O.	D. D. S.	Sheridan, Wyoming
Mitsman, Floyd B.	A. B.	Mulberry, Indiana
Mobley, Chas. B.	B. D.	Valparaiso, Indiana
Mocking, John W.	C. E.	Warsaw, Poland
Mole, Frances E.	Mus.	Chicago, Illinois
Molinder, Ellen	Art	Swea City, Iowa
Montgomery, Vernelle	Ed.	Owensville, Indiana
Moon, Melba	Mus.	Lineville, Alabama
Moore, Arthur	A. B.	Martin, Kentucky
Moore, E. B.	D. D. S.	
Moore, Nellie V.	Exp.	Alpena, South Dakota
Mora, Virginia	A. B.	Ben Franklin, Texas
Moran, Miriam	Ed.	San Pierre, Indiana
Moreau, J. H.	M. T.	Plymouth, Indiana
Morris, G. Eugene	Med.	Lawrence, Massachusetts
Morris, Gilbert	Med.	Glenwood, Indiana
Morris, Helena	Ed.	Crawfordsville, Indiana
Morse, Lawrence Z.	C. E.	Shelton, Connecticut
Morton, E. H.	D. D. S.	Gary, Indiana
Mortrude, M. O.	D. D. S.	Luverne, Minnesota
Mosher, Fern	Ed.	Highmore, South Dakota
Moten, Otto F.	Ed.	Western Grove, Arkansas
Moten, Walter C.	Ed.	Western Grove, Arkansas
Mount, Alma	A. B.	Scottsburg, Indiana
Mounts, Laverne	Ed.	Owensville, Indiana
Moyer, Walter Emmett	D. D. S.	Michigan City, Indiana
Mozuras, Paul	Mus.	Springfield, Illinois
Mueller, William A.	C. E.	Louisville, Kentucky
Mullendore, Lella	Art	Franklin, Indiana
Munaw, Alda	Ed.	Butler, Indiana
Murphy, Edyth M.	Ed.	Scottsburg, Indiana
Murphy, Glenn E.	D. D. S.	Roberts, Illinois
Murphy, Kenneth W.	D. D. S.	Chicago, Illinois
Murphy, Lois Sevilla	Ed.	LaFayette, Indiana
Murphy, Lyle	Law	Ashland, Wisconsin
Murray, H. P.	A. B.	New Paris, Ohio
Murray, Robert C.	Ed.	Henderson, Tennessee
Musser, Clyde M.	D. D. S.	Elkins, West Virginia
Muyderman, A. W.	D. D. S.	Adrain, Holland
Myers, Edna	Ed.	Montgomery, Indiana
Myers, Evelyn	Ed.	Francesville, Indiana
Myers, Nina	Ed.	Francesville, Indiana
Naar, Alyandro	Phar.	Bauangulla, S. A
Nall, Edna	Ed.	West Point, Indiana
Nathan, David	D. D. S.	Chicago, Illinois
Neal, J. Velma	B. S.	Ft. Smith, Arkansas
Neal, W. Paul	Mus.	Wellington, Ohio
Nechtow, Nathan	D. D. S.	Chicago, Illinois
Neinstedt, Franklin J.	D. D. S.	Chicago, Illinois
Nelson, Bertha	H. E.	Grayville, Illinois
Nelson, Joseph E.	D. D. S.	Frankfort, Michigan
Nelson, Ocus	Phar.	Ripley, Tennessee
Nevins, Lucille I.	Phar.	Buffalo, New York
Newburn, Walter Loring	Pre. Med.	Jacksonville, Texas
Newsom, Herman L.	B. S.	Leroy, West Virginia
Newsom, John W.	Special	Valparaiso, Indiana
Nice, Montes	Ed.	Cutler, Indiana
Nicholas, N. P.	D. D. S.	Chicago, Illinois
Nicholls, Kenneth E.	D. D. S.	Osecola, Michigan
Nichols, D. S.	D. D. S.	
Niedermeyer, Will C.	D. D. S.	Bloomington, Illinois
Niemi, W. A.	D. D. S.	Chicago, Illinois
Nierner, Arthur	C. E.	Cassville, Wisconsin
Niles, L. H., Jr.	Law	Ephrata, Washington

Noell, Dallas A.	Ed.	Lexington, Indiana
Noetzel, Ruth H.	Mus.	Greenwood, Wisconsin
Noji, Edward Y.	D. D. S.	Japan
Noland, Thelma	Ed.	McCoysburg, Indiana
Nolta, Clara	Mus.	Valparaiso, Indiana
Noonan, Mary C.	Mus.	St. Louis, Missouri
Norby, C.	D. D. S.	
Nordquist, Toddes	D. D. S.	Akeley, Minnesota
Norquist, Bert E.	D. D. S.	Brainerd, Minnesota
North, Lenah M.	Ed.	Plymouth, Indiana
Norton, Mitchell I.	D. D. S.	Chicago, Illinois
Novak, Anthony	D. D. S.	Chicago, Illinois
Novak, Barney	D. D. S.	Chicago, Illinois
Novy, John J., Jr.	C. E.	New York, New York
Nowak, Stanley	Ed.	New Carlisle, Indiana
Nutter, Bertha	Ed.	Mondamin, Iowa
Nylenius, Betty Y.	A. B.	Viuopio, Finland
Ochoterena, Fausto	Phar.	Pueblo, Mexico
O'Connor, Anna	Ed.	Winamac, Indiana
O'Dell, Harland	D. D. S.	Allegan, Michigan
O'Donnell, Irene	A. B.	Valparaiso, Indiana
Ogden, Eugene, Jr.	M. E.	Jeffersonville, Indiana
Ogle, Harold	D. D. S.	Wisconsin
Okner, Peter	D. D. S.	Chicago, Illinois
Olfson, Geo. R.	D. D. S.	Sheridan, Wisconsin
Oloff, Meyer	D. D. S.	Chicago, Illinois
Olson, Carl	D. D. S.	Ishpeming, Michigan
Olthoff, Otto G.	A. B.	Emery, South Dakota
Oppel, Jacob	D. D. S.	Chicago, Illinois
Opperman, Erwin W.	Ed.	Strawberry Point, Iowa
Orr, Estle F.	Ed.	Sheldon, Indiana
Orsech, Geo.	D. D. S.	Chicago, Illinois
Osborn, Grace	Ed.	Ober, Indiana
Osborne, Marian	Exp.	Valparaiso, Indiana
Osowski, Wladyslaw	D. D. S.	Eden, New York
Oesterle, Clarence L.	D. D. S.	Joliet, Illinois
Osterlund, Carl	D. D. S.	Oravis, Finland
Ostrander, John	A. E.	Albany, Wisconsin
Ostrovsky, Benjamin	D. D. S.	Chicago, Illinois
Otey, Verna	A. B.	Winfield, Kansas
Overmyer, Esta	Ed.	Culver, Indiana
Ovitsky, Peter	D. D. S.	Chicago, Illinois
Pacer, Stanley	D. D. S.	Chicago, Illinois
Padt, Mrs. A. N.	D. D. S.	Stockholm, Sweden
Padt, Granz	D. D. S.	Chicago, Illinois
Paepke, Paul	Law	Columbus, Wisconsin
Page, S. E.	Law	Effingham, Illinois
Pagel, Berneice	Ed.	LaPorte, Indiana
Painter, Cecil G.	Ed.	Wolcott, Indiana
Palmer, Ethel M.	Ed.	LaPorte, Indiana
Palmer, Lois	Mus.	Valparaiso, Indiana
Paradis, August	D. D. S.	Bessemer, Michigan
Park, Eunice	H. E.	Brook, Indiana
Parker, Edna A.	Exp.	Hanover, Illinois
Parker, Isaac	C. E.	Chicago, Illinois
Parr, Mary	Ed.	Kentland, Indiana
Parr, Willis	D. D. S.	Winona, Minnesota
Partlow, Juanita	Mus.	Rulo, Nebraska
Patrick, Clara E.	H. E.	Tell City, Indiana
Patterson, Vera	Mus.	Brinkley, Arkansas
Patterson, Wm. Keith	D. D. S.	Evansville, Wisconsin
Pauly, Geo. A.	D. D. S.	Chicago, Illinois
Pawlowski, Bernard	D. D. S.	Chicago, Illinois
Pearce, Beth	Ed.	Lowell, Indiana
Pease, Ruth E.	Kind.	Gilman, Illinois
Peck, Ada	Mus.	Chicago, Illinois
Peck, Rolla L.	D. D. S.	Chicago, Illinois
Pedraza, Ernesto M.	Pre. Med.	Zogata, Columbia
Pemberton, R. A.	M. T.	Oxford, Indiana
Pence, Locha Ann	Ed.	Williamsport, Indiana
Peregrine, Donald	Ed.	Tefft, Indiana

Perkins, Beatrice	Ed.	Bourbon, Indiana
Perkins, O. N.	Ed.	Kenney, Illinois
Perminas, Ignacas	Mus.	Lewiston, Maine
Perrigo, Esta	Ed.	Attica, Indiana
Perry, Frances	Mus.	Gary, Indiana
Perry, Marie	Ed.	Columbia City, Indiana
Pesch, Homer H.	D. D. S.	Mazeppa, Minnesota
Peterson, Arthur C.	D. D. S.	Marinette, Wisconsin
Peterson, Geo.	M. T.	Bergenfield, New Jersey
Pfafman, Emma	Ed.	Avilla, Indiana
Phegley, Muriel M.	Ed.	LaCrosse, Indiana
Phegley, Violet	Ed.	LaCrosse, Indiana
Phillips, Abraham	D. D. S.	Chicago, Illinois
Pieper, Henry E.	Ed.	Avilla, Indiana
Piepho, Ida	Ed.	Dyer, Indiana
Pierce, Lou Cartha	Art	Valparaiso, Indiana
Pierce, Reba C.	H. E.	Le Grand, Iowa
Pierce, Vida M.	Ed.	Merrillville, Indiana
Pinter, Myrtle	Mus.	Valparaiso, Indiana
Pinter, Pauline	Ed.	Wheatfield, Indiana
Platka, Frank T., Jr.	Law	Chicago, Illinois
Plant, Jean O.	Ed.	Glasgow, Scotland
Podolsky, Harry	D. D. S.	Chicago, Illinois
Poederbach, James	D. D. S.	Patergraafsmeer, Holland
Pointer, Ethel	Mus.	Belleville, Kansas
Pollice, A.	D. D. S.	Chicago, Illinois
Pomazal, J. J.	D. D. S.	Chicago, Illinois
Ponton, Joseph	Law	Ashkum, Illinois
Pool, Rollo W.	B. S.	Hebron, Indiana
Popoff, Methody	Mus.	Dumbeny, Macedonia
Ports, Frances	Art	Milledgeville, Illinois
Postiglione, Louis	D. D. S.	Chicago, Illinois
Potucek, Joseph C.	D. D. S.	Chicago Heights, Illinois
Pound, Adria	Special	Oswego, Indiana
Powell, Roscoe S.	Law	Liberty, Kansas
Powell, W. S.	Pre. Med.	Bluffton, Indiana
Powlen, Pelma F.	Ed.	Logansport, Indiana
Prage, Joanna	Ed.	Elizabeth, Indiana
Prentis, Loreen E.	H. E.	Chicago, Illinois
Press, Fritz	Phar.	Winside, Nebraska
Price, Lois B.	Ed.	Bourbon, Indiana
Prince, Chas. M.	D. D. S.	Chicago, Illinois
Prunitt, Hugh	Special	Jasper, Arkansas
Pryor, C. P.	Ed.	Smithburg, Maryland
Puckett, Emmitt C.	M. T.	Silverton, Texas
Purdon, Leslie	D. D. S.	Wahpeton, North Dakota
Pursell, M. G.	D. D. S.	Chicago, Illinois
Purvis, Geo.	D. D. S.	Beach, North Dakota
Puterbaugh, Frank	Ed.	Hoover, Indiana
Quant, Leslie	D. D. S.	Chicago, Illinois
Quigg, James Wm.	Agri.	Canaan, New Hampshire
Quilico, Anton	Phar.	Inea, Italy
Quint, Louis	D. D. S.	Chicago, Illinois
Quintino, Manuel	C. E.	Coucepicio, Chile, S. A.
Rabanovitz, Abe	D. D. S.	Chicago, Illinois
Rabin, Nathan	D. D. S.	Chicago, Illinois
Racznski, C.	D. D. S.	Chicago, Illinois
Radell, Fred Z.	D. D. S.	Chicago, Illinois
Rafoth, C. F.	H. S.	Earlville, Iowa
Raihala, Wm.	B. S.	Virginia, Minnesota
Raklewicz, Joseph	D. D. S.	Scranton, Pennsylvania
Rakow, Samuel M.	D. D. S.	Wheatland, North Dakota
Randleman, Dollie	H. E.	Rector, Arkansas
Randolpy, Harold F.	Med.	Elkhart, Indiana
Rands, Ethel	A. B.	Valparaiso, Indiana
Rapost, John	Pre. Med.	Minneapolis, Minnesota
Rasmussen, John	D. D. S.	Chicago, Illinois
Rasmussen, Lillian	Mus.	Oakwood, North Dakota
Rathbun, Maten	Med.	Uby, Michigan
Ray, Lena	A. B.	Rockfield, Indiana
Reavley, Lester S.	Med.	Riverton, Illinois

Rector, Pearl	Mus.	Mystic, Iowa
Reed, Fannie E.	H. E.	Hanover, Indiana
Reed, James C.	D. D. S.	Chicago, Illinois
Reeves, H. R.	A. B.	Bogue Chitto, Mississippi
Reeves, Mrs. H. R.	A. B.	Bogue Chitto, Mississippi
Reeves, James M.	Law	Fulton, Kentucky
Regent, Paul	D. D. S.	Chicago, Illinois
Reid, Harry A.	D. D. S.	Washington, Iowa
Reid, L. E.	D. D. S.	Decatur, Illinois
Reider, Chas. H.	C. E.	Valparaiso, Indiana
Reilly, John J.	D. D. S.	Chicago, Illinois
Reininger, David	D. D. S.	Chicago, Illinois
Rest, Morris David	D. D. S.	Chicago, Illinois
Revelle, T. L.	B. D.	Conway, North Carolina
Reynolds, H. Bruce	Agri.	Factoryville, Pennsylvania
Reynolds, D. P.	Law	Troy, Tennessee
Reynolds, Harold P.	M. T.	Factoryville, Pennsylvania
Reynolds, Mary L.	Ed.	Attica, Indiana
Reynolds, Virginia S.	Law	Troy, Tennessee
Rice, Wallace D.	D. D. S.	Carlisle, South Carolina
Rich, E. Emil	A. B.	Hastings on Hudson, New York
Richardson, Clarence T.	Ed.	Jolietville, Indiana
Rieger, Arnold	D. D. S.	Chicago, Illinois
Riemer, J. Herbert	C. E.	Oshkosh, Wisconsin
Riffkind, Abraham J.	D. D. S.	Chicago, Illinois
Riggleman, Henry Luther	Phar.	Penfield, Illinois
Riley, C. A.	D. D. S.	Iditarod, Alaska
Rinehart, Martha	Ed.	Ora, Indiana
Ringgen, Lena G.	Ed.	Francesville, Indiana
Ritenour, Marie	Ed.	Attica, Indiana
Rivas, Manuel	Phar.	Caguas, Porto Rico
Rivera, Rafael V.	Pre. Med.	Bogota, Columbia, S. A.
Robbins, Edward E.	Phar.	Warsaw, Indiana
Roberts, Byron	Ed.	Plymouth, Indiana
Roberts, Hugh E.	D. D. S.	Chicago, Illinois
Robertson, Walter	Special	Regina, Sask., Canada
Robinson, Clarence R.	D. D. S.	Farmington, Utah
Robinson, James P.	D. D. S.	Washburn, Illinois
Robinson, Joseph	D. D. S.	Chicago, Illinois
Robison, Kenneth H.	D. D. S.	Chicago, Illinois
Robles, G.	C. E.	Covoba, Vera Cruz, Mexico
Rockwool, Millard	Mus.	Granville, Ohio
Rodgers, Robbie Edna	H. E.	Gravette, Arkansas
Rodin, Barney	D. D. S.	Chicago, Illinois
Rodriguez, Gustavo	C. E.	Santiago, Chile, S. A.
Roe, Mabel	Ed.	Ossian, Indiana
Rogers, Waldo S.	C. E.	Martinsville, Ohio
Rolens, Murray E.	Med.	Murphysboro, Illinois
Rollison, Clive A.	A. B.	Lyons, Indiana
Rollison, Jacob	A. B.	Lyons, Indiana
Rooney, John W.	D. D. S.	Chicago, Illinois
Rosenberger, S. A.	M. T.	Valparaiso, Indiana
Rosenberg, Edward A.	D. D. S.	Chicago, Illinois
Rosenberg, Jos. E.	D. D. S.	Chicago, Illinois
Rosenblum, Albert M.	D. D. S.	Chicago, Illinois
Rosenblum, Harry	D. D. S.	Chicago, Illinois
Rosenthal, Benjamin	D. D. S.	Minneapolis, Minnesota
Ross, Milton	Special	Monticello, Indiana
Roubert, Lester N.	D. D. S.	Chicago, Illinois
Rowell, Will J.	D. D. S.	North Branch, Minnesota
Rubenstein, Bernard	Med.	Rocous, Russia
Rubin, N. R.	D. D. S.	Chicago, Illinois
Rueda, Richard	Phar.	Bogota, Columbia, S. A.
Ruff, Henry A.	Pre. Med.	Atlantic City, New Jersey
Ruge, Irene	Mus.	Valparaiso, Indiana
Rupart, Herbert	D. D. S.	Eureka, California
Rus, Edward	D. D. S.	Chicago, Illinois
Russell, J. W.	Mus.	New Milford, Connecticut
Ruyle, John	D. D. S.	Jacksonville, Illinois
Ruzicka, Emil	Mus.	Racine, Wisconsin
Ryan, Ernest H.	Phar.	Kendallville, Indiana

Sacks, Benjamin	D. D. S.	Chicago, Illinois
Sacks, David	D. D. S.	Chicago, Illinois
Sagalove, Anna	D. D. S.	Chicago, Illinois
Sailors, Mabel	Ed.	Silver Lake, Indiana
Saitao, Moriya	D. D. S.	Seattle, Washington
Salazar, Ricardo	D. D. S.	Lima, Peru, S. A.
Salian, D. H.	D. D. S.	Chicago, Illinois
Salisbury, Thomas F.	D. D. S.	Chicago, Illinois
Salit, Peter W.	Ed.	St. Catherina, Brazil, S. A.
Saliedo, Silverio	Phar.	San Jacinto, P. I.
Saloma, Mrs. Arvid	Mus.	Johns Wood, Michigan
Salzer, Mabelle	Art	Kouts, Indiana
Samson, Simon	D. D. S.	Chicago, Illinois
Sanborn, Lawrence G.	D. D. S.	Lake City, Minnesota
Sanders, Lola	Art	Edinburgh, Indiana
Sannicola, Renota	Mus.	Eveleth, Minnesota
Santayana, Simeon I.	Med.	Unisan Tayabas, P. I.
Santilli, Salvatore	Law	Providence, Rhode Island
Sargisian, Vahan	Agri.	Chicago, Illinois
Satten, Frank	D. D. S.	Chicago, Illinois
Sausaman, C. E.	Law	Peru, Indiana
Savage, Austin A.	D. D. S.	Lowell, Indiana
Saxon, Albert	D. D. S.	Chicago, Illinois
Sayers, Lillian	Mus.	Valparaiso, Indiana
Sayler, Pauline	Mus.	Valparaiso, Indiana
Schachter, Emanuel	D. D. S.	Newark, New Jersey
Schaefer, Henry M.	D. D. S.	Braila, Roumania
Schaeffer, Joseph P.	Mus.	Reading, Pennsylvania
Schaffner, Julius	D. D. S.	Chicago, Illinois
Schjedahl, Arthur	D. D. S.	Decorah, Iowa
Schleman, Herbert	A. B.	Valparaiso, Indiana
Schlosberg, Chas.	D. D. S.	Chicago, Illinois
Schmid, A. A.	D. D. S.	Chicago, Illinois
Schmidt, Martha M.	Mus.	Alpeno, South Dakota
Schmillen, T. S.	D. D. S.	Chicago, Illinois
Schneider, Matthew	D. D. S.	Minneapolis, Minnesota
Schnitzer, Oscar	D. D. S.	Chicago, Illinois
Schnitzer, Dave	D. D. S.	Chicago, Illinois
Schoch, Leah M.	Kind.	Ontonagon, Michigan
Schondelmayer, Edna K.	H. E.	Middleville, Michigan
Schroeder, Florence	Ed.	Walkerton, Indiana
Schrumpf, Christoph	D. D. S.	Miles City, Montana
Schultz, Lois	Exp.	Shelby, Indiana
Schust, J. H.	D. D. S.	Ft. Wayne, Indiana
Schur, Walter J.	D. D. S.	Kenilworth, Illinois
Schwab, Carl F.	D. D. S.	Normal, Nebraska
Schwartz, Herbert B.	Phar.	Royalton, Minnesota
Scott, Katie	Exp.	Bethany, Illinois
Seaman, Walter	C. E.	Fort Madison, Iowa
Sebolt, Howard A.	D. D. S.	Chicago, Illinois
Sechrest, Bertha	Ed.	Crawfordsville, Indiana
Seidenberg, Louis	D. D. S.	Chicago, Illinois
Seidner, Leo S.	D. D. S.	Chicago, Illinois
Selinger, Jonas	D. D. S.	Chicago, Illinois
Selivanoff, Wm.	Agri.	Odessa, Russia
Selkirk, Gertrude	Ed.	Michigan City, Indiana
Sem, Janetta	Ed.	Pulaski, Indiana
Sewell, Rolland G.	D. D. S.	Skidmore, Missouri
Sexton, E. B.	D. D. S.	
Shafer, Mamie B.	H. E.	Oak Park, Illinois
Shafer, Feno	D. D. S.	Salt Lake City, Utah
Shafer, M. M.	Ed.	Trenton, Ohio
Shantz, Bernice	H. E.	Mecosta, Michigan
Sharp, Mary F.	H. E.	Lynchburg, Ohio
Shedron, Fern	Mus.	Camden, Indiana
Shefte, E. K.	D. D. S.	Dell Rapids, South Dakota
Sheils, C. W.	Mus.	Lakeville, Indiana
Sheinin, Bernard	Mus.	Chicago, Illinois
Shepard, A. M.	M. T.	Valparaiso, Indiana
Sherman, Alyse V.	D. D. S.	Belle Fourche, South Dakota
Shields, Harry D.	D. D. S.	South Bend, Indiana

Shlifer, A.	Ed.	Kief, Russia
Shoemaker, Harold A.	Phar.	New Ringgold, Pennsylvania
Shoore, Jerome S.	D. D. S.	Odessa, Russia
Showacre, E. C.	B. S.	Chicago, Illinois
Shultz, Jerome K.	Phar.	Hereford, Pennsylvania
Skurr, Raymond	D. D. S.	Valparaiso, Indiana
Siefers, Mabelle M.	Ed.	LaFayette, Indiana
Siegel, Ben	D. D. S.	Chicago, Illinois
Siegel, Louis	Eng.	New York, New York
Siegel, Mrs. T.	Phar.	New York, New York
Sievers, Ada H.	Ed.	Valparaiso, Indiana
Siferd, Chas. S.	Ed.	Idaville, Indiana
Silbertrust, Jack	D. D. S.	Chicago, Illinois
Silver, Jacob M.	C. E.	Hartford, Connecticut
Silver, Mrs. J. S. K.	Special	Hartford, Connecticut
Silverman, Irving	D. D. S.	Chicago, Illinois
Silverman, S.	D. D. S.	
Siman, Paul	Med.	Winside, Nebraska
Simerly, Hilda	H. E.	Okeana, Ohio
Siml, Bohuslav	D. D. S.	Chicago, Illinois
Simmons, Stanley T.	Pre. Med.	Rock Castle, West Virginia
Simon, Robert	D. D. S.	Berwyn, Illinois
Simonek, B. L.	D. D. S.	Berwyn, Illinois
Simonek, J. E.	D. D. S.	Berwyn, Illinois
Simons, Basha G.	H. E.	Kenyon, Minnesota
Simonson, Edmund G.	D. D. S.	Winthrop, Minnesota
Simsarian, N. H.	Phar.	W. Hoboken, New Jersey
Singer, Harry	D. D. S.	Chicago, Illinois
Snitzkiy, Jacob	Ed.	Chicago, Illinois
Skinner, Guy Boyd	D. D. S.	Joliet, Illinois
Skinner, Thomas A.	D. D. S.	Calgary, Alta, Canada
Skolnik, Herman H.	D. D. S.	Chicago, Illinois
Skoniecka, Saturn	Mus.	Chicago, Illinois
Skowron, Casimir	D. D. S.	Chicago, Illinois
Sladek, Frank	D. D. S.	Chicago, Illinois
Smith, Bertha	Ed.	Logansport, Indiana
Smith, Bertye	H. E.	German Valley, New Jersey
Smith, Chas.	Ed.	DePauw, Indiana
Smith, Chas. H.	Mus.	Chesterton, Indiana
Smith, Emma	Mus.	Grand Rapids, Michigan
Smith, Floyd A.	Special	Ogden, Utah
Smith, Frank B.	Eng.	Ogden, Utah
Smith, Gladys	Ed.	Battle Ground, Indiana
Smith, Ila L.	H. E.	Britt, Iowa
Smith, Ira McKee.	D. D. S.	Chicago, Illinois
Smith, John W.	Ed.	Eastwood, Ohio
Smith, Joseph	D. D. S.	Holgate, Ohio
Smith, Linia G.	A. B.	Jackson, Mississippi
Smith, Louise	H. E.	Valparaiso, Indiana
Smith, Mrs. Lucie S.	B. S.	Jackson, Mississippi
Smith, Mabel	Ed.	Winamac, Indiana
Smith, Mae	Ed.	Logansport, Indiana
Smith, Maurice	D. D. S.	Coyad, Nebraska
Smith, Nancy B.	Ed.	Carmel, Indiana
Smith, Samuel	Ed.	Chicago, Illinois
Smith, Wilbur F.	Med.	Valparaiso, Indiana
Snider, J. T.	Pre. Med.	Kellerville, Illinois
Sobelman, Joseph	D. D. S.	Chicago, Illinois
Salvason, Sigurd	C. E.	Valparaiso, Indiana
Somsel, Ruby	Ed.	Galveston, Indiana
Soroosh, Rustem	Med.	Persia
Sosahr, Chas. G.	A. E.	Cleveland, Ohio
Sostrin, Samuel	D. D. S.	Chicago, Illinois
Souter, Robert W.	D. D. S.	Chicago, Illinois
Spangler, Geo. L.	A. B.	Franklin Grove, Illinois
Spangler, Irma M.	A. E.	Smithfield, Illinois
Spannuth, Edna	Ed.	Noblesville, Indiana
Spannuth, Marie	Ed.	Noblesville, Indiana
Sparks, Earl C.	Ed.	Trilla, Illinois
Sparks, Gertrude	H. E.	Irwin, Wisconsin
Speer, Mrs. Wm. O.	H. E.	Valparaiso, Indiana

Speishandler, Julius H.	Ph. C.	New York, New York
Speisman, Manuel	M. T.	Chicago, Illinois
Spencer, Geo. T.	Med.	Angelica, New York
Spencer, Russell G.	D. D. S.	Wolcott, Indiana
Spencer, Wm. LeRoy	D. D. S.	Chicago, Illinois
Spindler, C. J.	Special	Valparaiso, Indiana
Spira, Harry	D. D. S.	Chicago, Illinois
Spira, Sam	D. D. S.	Chicago, Illinois
Sprague, R.	D. D. S.	
Sprencil, Grace	Mus.	Valparaiso, Indiana
Sprencil, Lillian	Mus.	Valparaiso, Indiana
Sprencil, Louise	Mus.	Valparaiso, Indiana
Sprinkle, James C.	Law	Pilot Mountain, North Carolina
Stacy, Winton	Phar.	Princeton, Missouri
Staley, Preston	Special	Valparaiso, Indiana
Stambaugh, Maynard	C. E.	Ashland, Nebraska
Stapleton, Mrs. D. H.	Mus.	Valparaiso, Indiana
Stapp, Elva	Exp.	Union Star, Missouri
Stark, Adolph	D. D. S.	Red Wing, Minnesota
Starzyk, Joseph	D. D. S.	Holyoke, Massachusetts
Stead, Ira	Phar.	Exchange, Pennsylvania
Steed, Irene	Mus.	Lineville, Alabama
Steed, Leah M.	Ed.	Nessen, Michigan
Steele, A. D.	D. D. S.	St. George, Grenada, B. W. I.
Steffens, N. M.	D. D. S.	Chicago, Illinois
Stein, Abraham	D. D. S.	Chicago, Illinois
Steinberg, Joseph F.	D. D. S.	Chicago, Illinois
Steinberg, Hyman	D. D. S.	Chicago, Illinois
Steinhardt, Benjamin	Phar.	New York, New York
Steinhardt, Oscar	Exp.	New York, New York
Stephan, Dorothea	Ed.	Valparaiso, Indiana
Stephens, Florence	Ed.	Westfield, Indiana
Stephens, Hugh J.	C. E.	Calgary, Canada
Stephenson, Ethel	Art	Eaton, Indiana
Stephenson, Weyman A.	C. E.	Sims, Arkansas
Sternberg, Jeanette	Ed.	Logansport, Indiana
Stewart, Douglas D.	D. D. S.	Gladstone, Michigan
Stewart, Richard R.	D. D. S.	Wayne, Illinois
Stiles, Harold E.	Law	Bangor, Pennsylvania
Stiles, Mrs. D. D.	Mus.	Valparaiso, Indiana
Stith, Van B.	Ph. C.	Rosedale, Indiana
Stoddard, Mrs. Myrtle	D. D. S.	Knox, Indiana
Stohl, Theodore D.	D. D. S.	Lehighton, Pennsylvania
Stokes, Henry D.	D. D. S.	Reeds, Minnesota
Stone, Harry O.	D. D. S.	Chicago, Illinois
Stone, Israel E.	D. D. S.	Chicago, Illinois
Stone, Lila	Ed.	Redkey, Indiana
Stone, Nathan A.	D. D. S.	Chicago, Illinois
Stone, Raymond J.	D. D. S.	Madison, Minnesota
Stoner, Emory	Eng.	Valparaiso, Indiana
Stouffer, Helen E.	Ph. C.	Leetonia, Ohio
Strahan, L. S.	Law	Valparaiso, Indiana
Strait, Mary	Ed.	Portland, Indiana
Straith, Claire L.	D. D. S.	Detroit, Michigan
Strang, S.	D. D. S.	St. Paul, Minnesota
Straup, Perry D.	D. D. S.	Humboldt, South Dakota
Strauss, Stanley A.	A. B.	Chicago, Illinois
Streicher, Irving H.	C. E.	Chicago, Illinois
Stricklin, C.	Exp.	Liberal, Kansas
Striplin, H. A.	Pre. Med.	Turlock, California
Stuart, Frank D.	Phar.	Newark, Ohio
Stupka, Emanuel C.	D. D. S.	LaCrosse, Wisconsin
Suddarth, Clyde	D. D. S.	Tobinsport, Indiana
Sullivan, H.	A. B.	Monroe, Michigan
Sullivan, Lillian E.	Pri.	Hot Springs, Arkansas
Sullivan, Thomas E., Jr.	Pre. Med.	Holyoke, Massachusetts
Sulzback, Simon L.	C. E.	Buffalo, New York
Summer, Edna	Ed.	Valparaiso, Indiana
Summer, Verna	Ed.	Valparaiso, Indiana
Summers, Thelma	Ed.	Wheatfield, Indiana
Sunkel, Harry C.	D. D. S.	Mansfield, Ohio

Sutcher, William	D. D. S.	Chicago, Illinois
Swanner, Raleigh	Law	Atlanta, Kentucky
Swanson, J. Albert	Med.	Brainerd, Minnesota
Swanson, Irene	Ed.	Chesterton, Indiana
Sward, Carl	Ed.	Porter, Indiana
Swartbaugh, Delta	Mus.	Bushnell, Illinois
Swartfager, Bryce	Ed.	Ogden, Utah
Sweeney, James L.	C. E.	New York, New York
Swenson, Earl R.	D. D. S.	St. Paul, Minnesota
Swiazdowski, Mrs. Agnes S.	Mus.	Toledo, Ohio
Swiont, Marian S.	Med.	Valparaiso, Indiana
Syoss, Helen	Mus.	N. Tonawanda, New York
Tacij, Nicholas	D. D. S.	Scranton, Pennsylvania
Tait, Ethel	Ed.	Erie, Pennsylvania
Takai, Toshio	Phar.	Japan
Talbert, Maude	Mus.	Waterloo, Iowa
Tallcott, Mary	Exp.	Valparaiso, Indiana
Tannehill, Maude	Ed.	Hebron, Indiana
Tanttila, Hjalmar	Art	Virginia, Minnesota
Tapp, Albert	D. D. S.	Chicago, Illinois
Tashiro, Isami	D. D. S.	Hilo, Hawaiian Islands
Taylor, Thomas D.	D. D. S.	Broken Bow, Nebraska
Tesche, Carl	D. D. S.	Peru, Illinois
Thimgren, Leila	Ed.	Chicago, Illinois
Thomas, F. Jessie	Special	Libertyville, Illinois
Thomas, Frank W.	B. S.	New York, New York
Thomas, Harriet	Mus.	Vernon, Texas
Thomas, Raymond	D. D. S.	Calumet, Michigan
Thomen, Paul W.	C. E.	Litchfield, Connecticut
Thompson, Carl	D. D. S.	Chicago, Illinois
Thompson, Fred	D. D. S.	Granite Falls, Minnesota
Thompson, Fred E.	Ed.	Idaville, Indiana
Thompson, Henrietta	Ed.	Monon, Indiana
Thompson, Howard G.	D. D. S.	Chicago, Illinois
Thompson, Mrs. J. W.	H. E.	Garden City, Kansas
Thompson, Mae	Ed.	Royal Centre, Indiana
Thompson, Maurice G.	C. E.	Petersburg, Indiana
Thorn, Paul C.	Law	Valparaiso, Indiana
Thorpe, Raymond A.	D. D. S.	Darien, Wisconsin
Thrapp, May E.	Ph. C.	Avilla, Indiana
Thurman, Barbara	Mus.	Nashtown, Kentucky
Thurman, Walter H.	Phar.	Desloge, Missouri
Thurskis, Stanley	C. E.	Chicago Heights, Illinois
Thwing, John B.	A. B.	Philadelphia, Pennsylvania
Timbol, Bernardo P.	Med.	Philippine Islands
Timmis, Arlene C.	Pri.	Elkhart, Indiana
Timmons, Gerald	Special	Valparaiso, Indiana
Todd, Harry N.	E. E.	Elgin, Illinois
Todd, Jessie E.	Mus.	Chicago, Illinois
Todd, Mabel C.	Ed.	Crawfordsville, Indiana
Todd, Rollo S.	A. B.	Milton, Indiana
Tousley, Dorothy	Mus.	Valparaiso, Indiana
Trachtenberg, Herman R.	D. D. S.	Chicago, Illinois
Trail, Lucille	Mus.	New Haven, Missouri
Trammell, Juan	H. E.	Greenville, Washington
Travis, Helen	H. E.	East Liverpool, Ohio
Travis, Martha	Ed.	Mill Creek, Indiana
Treick, Paul	D. D. S.	Scotland, South Dakota
Treto, Domingo	D. D. S.	Chicago, Illinois
Trinkler, Walter H.	C. E.	Warsaw, Poland
Tripp, M. R.	A. B.	Essex, Connecticut
Trossman, Zisell	D. D. S.	Chicago, Illinois
Trost, Edward F.	D. D. S.	Moorhead, Minnesota
Trotter, Kalilla	Ed.	Hammond, Indiana
Trovillion, Russell A.	D. D. S.	Metropolis, Illinois
Trudeau, Stella M.	Mus.	Manteno, Illinois
Truempler, Louise	H. E.	Alma, Wisconsin
Turbow, Victor M.	D. D. S.	Chicago, Illinois
Turnbaugh, F.	D. D. S.	Chicago, Illinois
Turner, H. B.	Med.	Valparaiso, Indiana
Udre, Peter	A. B.	Lawrence, Massachusetts

Ulanowicz, Vincent	D. D. S.	Braddock, Pennsylvania
Valderas, Silvino	Med.	Sariaya, Philippine Islands
Variable, Leslie M.	D. D. S.	Galesburg, Illinois
Van Burkirk, Ethel	Mus.	Lake Charles, Louisiana
Van Lehn, Alta	Mus.	Tuscarawas, Ohio
VanSteenberg, Ada	A. B.	Lansing, Illinois
Van Surdam, Carl	D. D. S.	Auburn, New York
Van Woert, Agnes	Art	Canistoto, South Dakota
Varner, Earl	H. S.	Evansville, Indiana
Vaughn, Guy	C. E.	Lubbock, Texas
Vaughn, J. D.	C. E.	Lubbock, Texas
Veatch, Mary L.	Art	Rushville, Indiana
Villaroman, Hugo	Special	Philippine Islands
Vitkus, John T.	Med.	Valparaiso, Indiana
Vlachas, Nestor N.	C. E.	New York, New York
Vlna, Stephen	D. D. S.	Chicago, Illinois
Vogt, Geo. F.	D. D. S.	Albin, Nebraska
Votos, D. D.	D. D. S.	New York, New York
Wade, Susie J.	Ed.	Churubusco, Indiana
Wagner, Alphonso Geo.	D. D. S.	Barrington, Illinois
Wagner, Sol S.	D. D. S.	Chicago, Illinois
Wahl, Carl M.	C. E.	Georgetown, Ohio
Wahlberg, Kosti W.	C. E.	Ylane, Finland
Wakefield, Garland Lew.	D. D. S.	Ames, Iowa
Waldron, Geo.	D. D. S.	West Torrington, Connecticut
Walker, C. H.	D. D. S.	Beaumont, Texas
Walker, J. B.	D. D. S.	Chicago, Illinois
Walker, Thos. H.	Special	Wynnewood, Oklahoma
Walker, Wm. B.	D. D. S.	Idaho Falls, Idaho
Wallace, Edgar Hugh	D. D. S.	Dallas Center, Iowa
Waller, Fannie	Exp.	Eros, Louisiana
Walsh, Marguerite C.	Mus.	Ashkum, Illinois
Walsh, Walter E.	Law	Grass Creek, Indiana
Walters, Harvey	Special	Hyattville, Wyoming
Walter, Jose David	C. E.	Buenos Aires, Argentine rep.
Wang, Chong Fei	C. E.	Weihhsien, China
Warczak, John J.	D. D. S.	Minto, North Dakota
Ward, Mary R.	Ed.	Royal Centre, Indiana
Wark Helen	Ed.	Valparaiso, Indiana
Warner, John T.	D. D. S.	Chicago, Illinois
Warrick, Fletcher I.	D. D. S.	Glenwood, Alabama
Washburn, Gertrude	Exp.	Toulon, Illinois
Waterman, R. C.	D. D. S.	Chicago, Illinois
Watkins, Ruby	H. E.	Seminary, Mississippi
Watkins, Velma	H. E.	Seminary, Mississippi
Watson, George M.	D. D. S.	Ogden, Utah
Watson, Thos. J.	M. T.	Limrock, Alabama
Watts, Anna	Ed.	Valparaiso, Indiana
Watts, Charles	Ed.	Lucerne, Indiana
Watts, Ivan	Ed.	Idaville, Indiana
Waud, Russell A.	Med.	Harley, Ontario, Canada
Way, Martha E.	Ed.	Ossian, Indiana
Wayne, Emero C.	D. D. S.	Geneva, Minnesota
Weaver, I. A.	D. D. S.	Onward, Indiana
Weaver, Robert D.	D. D. S.	Madison, Wisconsin
Weber, Carlos	D. D. S.	Fennimore, Wisconsin
Weber, Odie M.	D. D. S.	Waterloo, Iowa
Webster, Chas. A.	Phar.	Olney, Illinois
Weems, Edith	H. E.	Valparaiso, Indiana
Weichart, Mary	Ed.	Valparaiso, Indiana
Weigand, Geo. G.	C. E.	Utica, New York
Weinfeld, Harry	D. D. S.	Chicago, Illinois
Weinfeld, Samuel	D. D. S.	Chicago, Illinois
Weingart, Chas.	D. D. S.	Chicago, Illinois
Weisz, George R.	D. D. S.	Chicago, Illinois
Welty, Albert	D. D. S.	Chicago, Illinois
Welty, Neva	Ed.	Young America, Indiana
Wente, Erna H.	Ed.	Crete, Illinois
Werner, Nels	C. E.	Duluth, Minnesota
Wertz, F. A.	D. D. S.	Altoona, Pennsylvania
Weser, Georgia	Ed.	Swayzee, Indiana

Wesner, Effie	Ed.	Wheatfield, Indiana
Westbay, Phoebe	Ed.	Crown Point, Indiana
Westbrook, Robert	B. S.	Marion, Illinois
Westedt, E.	D. D. S.	Logansville, Wisconsin
Westfall, Isla	Ed.	Grayville, Illinois
Wetter, Bessie	A. B.	Clarion, Iowa
Wexler, Aaron	D. D. S.	Chicago, Illinois
Wexler, Max	D. D. S.	Chicago, Illinois
Weyl, Allen	Phar.	New Castle, Indiana
Wheatley, Pearl G.	Ed.	Kempton, Indiana
Whelan, M. J.	D. D. S.	Oak Park, Illinois
White, Anna E.	Pri.	Juniata, Pennsylvania
White, Bessie	Exp.	Alma Center, Wisconsin
White, D. L.	A. B.	Baker, Montana
White, Esther L.	Ed.	Pleasant Mills, Indiana
White, J. P.	B. S.	Joplin, Missouri
Whitaker, Virgil E.	Law	Hammond, Indiana
Whitcomb, Pauline	Ed.	Akron, Indiana
Whitney, James M.	D. D. S.	Logan, Utah
Widen, Herman M.	D. D. S.	Chicago, Illinois
Wiederhoeft, Wanda	A. B.	Wausaw, Wisconsin
Wilhelm, Iva	Ed.	LaPorte, Indiana
Wilkinson, Inez	Mus.	Gulfport, Mississippi
Williams, Mrs. B. F.	Mus.	Valparaiso, Indiana
Williams, C. E.	Law	Marble, Minnesota
Williams, Carrie	Ed.	Wheatfield, Indiana
Williams, Frances K.	H. E.	Hot Springs, Arkansas
Williams, Leone	Mus.	Valparaiso, Indiana
Williams, Leone W.	H. E.	Angola, Indiana
Williams, Rachael M.	Mus.	Maitland, Missouri
Williamson, Bessie	Ed.	Valparaiso, Indiana
Willison, Eugene E.	B. S.	Dale, Indiana
Wilson, Adrian	D. D. S.	Thornton, Idaho
Wilson, Amos F.	C. E.	Buffalo, New York
Wilson, James E.	Ed.	Elizabeth, Indiana
Wilson, Martin M.	A. E.	Sioux City, Iowa
Wilson, W. F., Jr.	Phar.	Franklin, Pennsylvania
Winans, Anna	Ed.	Decatour, Indiana
Wineburg, L.	D. D. S.	Chicago, Illinois
Wingefelder, John J.	Pre. Med.	Stratford, Ontario, Canada
Winkler, E. F.	B. D.	Valparaiso, Indiana
Winter, Vernard M.	D. D. S.	Sioux Falls, South Dakota
Winters, Sidney	Med.	New Haven, Connecticut
Wisman, Mabel K.	Mus.	Bucyrus, Ohio
Wisman, Ruth R.	H. E.	Bucyrus, Ohio
Wittenberg, Frances	Ed.	Boone Grove, Indiana
Wittenberg, Paul C.	D. D. S.	Chicago, Illinois
Witter, Walter	D. D. S.	Chicago, Illinois
Wohrley, Ivan C.	Pre. Med.	Columbus, Ohio
Wojahn, Edward C.	D. D. S.	Wanatah, Indiana
Wojtalewicz, Julius A.	D. D. S.	Chicago, Illinois
Wolcott, O.	A. B.	East Longmeadow, Massachusetts
Wolf, Amelia M.	Ed.	New Albany, Indiana
Wolfgram, Mabel	Ed.	Hamlet, Indiana
Wolfe, David	D. D. S.	Chicago, Illinois
Wolter, Alfred B.	D. D. S.	Chicago, Illinois
Worton, W. L.	D. D. S.	Lehi, Utah
Wood, Chester H.	Phar.	Peoria, Illinois
Wood, Jesse L.	D. D. S.	Pendleton, Oregon
Woodmansee, Edalin	A. B.	Valparaiso, Indiana
Woods, Nina	Ed.	South Bend, Indiana
Woodside, Joe B.	A. B.	Marion, Illinois
Woolly, M. R.	D. D. S.	Grantsville, Utah
Wyatt, James L. Jr.	Pre. Med.	Valparaiso, Indiana
Wyman, H. E.	D. D. S.	Elgin, Illinois
Wright, Harry L.	D. D. S.	Mankato, Minnesota
Wright, Susie	Ed.	Covington, Indiana
Yao, James	Ed.	Hankow, China
Yanakieff, Jordan	Ph. C.	Turkey
Yates, A. S.	Med.	Grayson, Kentucky
Yates, Jack C.	D. D. S.	Chicago, Illinois

Yerkes, Paul	Ed.	Perrysville, Indiana
Yoder, Helen	H. E.	Topeka, Indiana
Yonover, Meyer	Special	Chicago, Illinois
Zacovitch, Norman	D. D. S.	Chicago, Illinois
Zagorski, S. M.	D. D. S.	Camden, New Jersey
Zallys, Paul	D. D. S.	Roseland, Illinois
Zaring, Ina	Ed.	Scottsburg, Indiana
Zasser, David	D. D. S.	Chicago, Illinois
Zebrowski, Geo.	Agri.	Valparaiso, Indiana
Zeratsky, Luella	Mus.	Marinette, Wisconsin
Zerbe, Fern R.	H. E.	Tiosa, Indiana
Zieg, B. F.	Law	Lucerne, Indiana
Zini, Dora B.	Mus.	Eveleth, Minnesota
Zinser, Melford	D. D. S.	Prophetstown, Illinois
Zirbel, Elmer	D. D. S.	Mayville, Wisconsin
Zoethout, Thelma	Mus.	Valparaiso, Indiana
Zuber, Anna J.	Ed.	Valparaiso, Indiana
Zun, Charles H.	D. D. S.	Chicago, Illinois
Zurwell, Frank B.	D. D. S.	Nashua, New Hampshire
Zymont, Anthony	D. D. S.	Russia